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ARACHNIDA

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E. BROWNING

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compiled by

E. BROWNING

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5.—Anon.—Pest infestation research 1948. Dept. Sci. & Indust. Res. H.M.S.O. London 1949 pp. 1–32 pls. 1–4 figs. 1–3. [ACARI.]

6.—Anon. The life of a sheep tick. Field, London 1950 **195** 5076 p. 612. [ACARI.]

7.—Anon. Control and eradication of tick-infestation in cattle in Bombay Province. Indian Farming, Allahabad **10** 1 1949 pp. 28–30. [ACARI.]

8.—Anon. Orchard and garden mites—*Bryobia* mite (*Bryobia praetiosa*)—Red spider (*Tetranychus urticae*). J. Dept. agric. Vict. **47** 5 1949 pp. 233–234. [ACARI.]

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Alabama.—Aran., JONES **311.**

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†*Euproops danoe* var. *liévensis* **var. nov.** Bassin houiller, Liévin, North France p. 74 figs., MATHIEU Ann. soc. géol. Nord. Lille **65** 1940–45.

†*Limuludicknulus* **gen. nov.** *nagoldensis* **sp. nov.** from coloured sandstone, Nagold, Germany p. 10 figs., LINCK N. Jahrb. Min. Geol. Paläont. Monatshefte Stuttgart **B1** 1943.

Limulus polyphemus on tidal rocks, Katherine Bay, Great Barrier Id., New Zealand p. 372, POWELL **475**.

†*Limulus* sp. aff. *vicensis* in upper part of "Dolomie de Beaumont," Coyviller a Rosières, Salines (M. et M.), France p. 44 fig., MAUBEUGE **399**.

†*Merostomichnites triassicus* **sp. nov.** from coloured sandstone, Nagold, Germany p. 22 figs., LINCK N. Jahrb. Min. Geol. Paläont. Monatshefte Stuttgart **B1** 1943.

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†*Eusarcus* (?) *ruedemanni* **sp. nov.** Deepkill shale, Rensselaer County, New York p. 718 fig., FLAVER Amer. Midl. Nat. Notre Dame **34** 1945.

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Anoplodactylus jungersi **sp. nov.** ♂. ♀ Moanda, Nord de Banana, Belgian Congo p. 25 fig.; *A. evelinae* ♂. ♀ new record, Belgian Congo p. 27 fig., FAGE Arch. Zool. exp. gén. Paris—Notes & Revue **86** 1949; *A. tenuirostris* **sp. nov.** ♂. ♀ The Reach, Bermuda p. 929 fig., LEBOUR Proc. zool. Soc. London **118** 1949; *A. gestiens* p. 284 figs.; *A.* sp. p. 284 figs., HEDGPETH **275**.

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Callipallene dubiosa **sp. nov.** ♀ Albatross shore trip, Hakodate, Japan p. 275 fig., HEDGPETH Proc. U.S. nat. Mus. **98** 1949.

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Decachela discata p. 280 fig., HEDGPETH **275**.

Halosoma marcusi **sp. nov.** on colonies of Hydrozoas, Urca, Rio de Janeiro, Brazil p. 168 figs., MELLO-LEITÃO An. Acad. Bras. Cienc. Rio **21** 1949.

Lecythorhynchus hilgendorfi notes p. 296 figs., HEDGPETH **275**.

Nymphon key to spp. from North Pacific p. 246; *N. albatrossi* **sp. nov.** ♂ Albatross Sta. 4826, 37° 26′ N., 137° 32′ E. p. 263 fig.; *N. benthos* **sp. nov.** ♀ Albatross Sta. 5085, 35° 06′ 45″ N., 139° 19′ 45″ E. p. 256 fig.; *N. dissimilis* **sp. nov.** ♀ Albatross Sta. 4780, 52° 01′ N., 174° 39′ E. p. 262 fig.; *N. gunteri* **sp. nov.** ♀ Albatross Sta. 5050, 38° 11′ 30″ N., 142° 08′ E. p. 257 fig.; *N. heterospinum* **sp. nov.** ♂ Albatross Sta. 5050, 38° 11′ 30″ N., 142° 08, E. p. 259 fig.; *N. kodanii* **sp. nov.** ♂ Albatross Sta. 4977, 33° 23′ 30″ N., 135° 34′ E. p. 252 fig.; *N. micropedes* **sp. nov.** ♂ Albatross Sta. 5080, 34° 10′ 30″ N., 138° 40′ E. p. 254 fig.; *N. nipponense* **sp. nov.** ♂ Albatross Sta. 4980, 34° 09′ N., 137° 55′ E. p. 267 fig.; *N. ohshimai* **sp. nov.** ♂ Albatross Sta. 4975, 33° 21′ 30″ N., 135° 38′ 50″ E. p. 266 fig.; *N. braschnikowi* p. 250 figs.; *N. elongatum* p. 251 figs.; *N. hodgsoni* p. 250 figs.; *N. japonicum* p. 249 fig.; *N. uniunguiculatum* p. 263 fig.; *N.* notes on Hilton's species p. 270 figs., HEDGPETH Proc. U.S. nat. Mus. **98** 1949.

Pallenopsis candidoi **sp. nov.** ♂ juv. ♀ between Isles of Frances and Armação, Santa Catarina, Brazil p. 299 figs., MELLO-LEITÃO Arq. Mus. Paranaense, Curitiba **7** 1949; *P. stylirostre* **sp. nov.** ♂ Albatross Sta. 4975, 33° 21′ 30″ N., 135° 38′ 50″ E. p. 278 figs.; *P. mollossima* p. 277 fig.; *P. tydemani* p. 277 fig.; *P. virgatus* p. 277 fig., HEDGPETH Proc. U.S. nat. Mus. **98** 1949.

Parallene bermudensis **sp. nov.** ♀ Castle Roads, Bermuda p. 930 figs., LEBOUR Proc. zool. Soc. London **118** 1949.

Phoxichilidium horribilis **sp. nov.** ♂ Albatross Sta. 4803, 46° 42′ N., 151° 45′ E. p. 283 fig.; *P. ungellatum* **sp. nov.** ♂ Albatross Sta. 4842, 36° 13′ N., 133° 27′ E. p. 281 fig., HEDGPETH Proc. U.S. nat. Mus. **98** 1949.

Pycnogonum buticulosum **sp. nov.** ♂ Milne Bay, Simushiru, Japan p. 308 figs.; *P. benokianum* redescribed p. 304 figs.; *P. tenue* notes p. 303 figs.; *P. ungellatum* notes p. 304 figs., HEDGPETH Proc. U.S. nat. Mus. **98** 1949.

Tanystylum anthomasthi **sp. nov.** ♀ Daikoku Jima, Akkeshi Bay, Hokkaido, Japan p. 297 figs., HEDGPETH Proc. U.S. nat. Mus. **98** 1949; *T. isabellae* ♀ new record, Moanda, Nord de Banana, Belgian Congo p. 29 fig.; *T. orbiculare* notes p. 29 fig., FAGE **203**.

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†Key to orders of Arachnida, based on external characters visible in fossils p. 114, PETRUNKEVITCH **466**.

†STETHOSTOMATA **subclass nov.** defined p. 179, PETRUNKEVITCH Trans. Conn. Acad. Arts Sci. **37** 1949.

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†ARCHAEOCTONIDAE **fam. nov.** characters p. 126; *A.* key to genera p. 137, PETRUNKEVITCH Trans. Conn. Acad. Arts Sci. **37** 1949.

†CYCLOPHTHALMIDAE Petrunkevitch, 1913 emended p. 139, PETRUNKEVITCH **466**.

†EOSCORPIONIDAE key to genera p. 142, PETRUNKEVITCH **466.**

†EUSCORPIONES **suborder nov.** characters p. 135, PETRUNKEVITCH Trans. Conn. Acad. Arts Sci. **37** 1949.

†ISOBUTHIDAE key to genera p. 136, PETRUNKEVITCH **466.**

†PROTOSCORPIONES **suborder nov.** characters p. 126, PETRUNKEVITCH Trans. Conn. Acad. Arts Sci. **37** 1949.

†*Anthracoscorpio juvenis* notes p. 144 figs., PETRUNKEVITCH **466.**

†*Alloscorpius* **gen. nov.** [Eoscorpionidae] defined p. 153; Placed in genus, *Eoscorpius danielsi* Petrunkevitch 1913 and *E. granulosus* Petrunkevitch 1913 p. 153, PETRUNKEVITCH Trans. Conn. Acad. Art. Sci. **37** 1949.

Bothriurus laevis **sp. nov.** ♀ Rio Saludo, Chaco, Argentina p. 195 figs., SCHENKEL Verh. naturf. Ges. Basel **60** 1949.

Brachistosternus andinus subsp. *reichlini* **subsp. nov.** ♀ Rio Saludo, Chaco, Argentina p. 197 fig., SCHENKEL Verh. naturf. Ges. Basel **60** 1949.

Buthacus villiersi **sp. nov.** ♂ Senegal p. 66 figs.; *B. arenicola* redescribed p. 71 figs.; *B. arenicola spatzi* notes p. 78 fig.; *B. leptochelys* redescribed p. 79 fig., VACHON Arch. Inst. Pasteur, Alger **27** 1949.

Buthotus **gen. nov.** [Buthidae] type species *Buthus judaicus* Simon, 1872, redescribed p. 143 figs.; *B. franzwerneri* redescribed p. 147; *B. franzwerneri* subsp. *franzwerneri* (= *Buthus* (*Hottentota*) *lutaudi*) redescribed p. 151 figs.; *B. franzwerneri* subsp. *gentili* (Pallary) redescribed p. 152 figs., VACHON Arch. Inst. Pasteur Alger. **27** 1949.

Buthus atlantis subsp. *parroti* **subsp. nov.** ♀ forest of Ademine, S.W. Agadir, Marocco p. 168 figs.; *Buthus* redefinition of genus p. 155; *B. occitanus* type species p. 155 figs.; *B. atlantis* redescribed p. 162 figs.; *B. atlantis* subsp. *atlantis* redescribed p. 166 figs., VACHON Arch. Inst. Pasteur Alger. **27** 1949; *B. occitanus* redescribed, distribution p. 334; *B. occitanus* subsp. *occitanus* redescribed, distribution p. 336 figs.; *B. occitanus* subsp. *tunetanus* redescribed, distribution p. 344 fig.; *B. occitanus tunetanus* var. *lepineyi* **var. nov.** ♂ ♀ Grand Atlas and Moyen Atlas, Morocco p. 353 figs.; *B. occitanus* subsp. *mardochei* redescribed, distribution p. 358 figs.; *B. occitanus mardochei* var. *alluaudi* **var. nov.** ♀ Tiznit, South Morocco p. 363 figs.; *B. occitanus* subsp. *mardochei* var. *mimeuri* **var. nov.** ♂ ♀ Southern Morocco p. 367 figs.; *B. occitanus* subsp. *mardochei* var. *panousei* **var. nov.** ♂ between Tafnidit and Foum Dra, Morocco p. 373 figs.; *B. occitanus* subsp. *malhommei* **subsp. nov.** ♂ ♀ Mechra ben Abbou, Morocco p. 376 figs.; *B. occitanus* subsp. *paris* redescribed, distribution p. 380 figs., VACHON Arch. Inst. Pasteur, Alger **27** 1949; *B. barbouri* redescribed p. 287; *B. maroccanus* redescribed p. 281 figs., VACHON **634.**

†*Centromachus euglyptus* notes p. 141 figs., PETRUNKEVITCH **466.**

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†*Compsoscorpius* **gen. nov.** [Eoscorpionidae] defined p. 149; type species *C. elegans* **sp. nov.** Coal Measures. Coseley, Staffs, England p. 149 figs.; *C. elongatus* **sp. nov.** Upper Carboniferous Coal Measures, Coseley, Staffs, England p. 150 figs., PETRUNKEVITCH Trans. Conn. Acad. Arts Sci. **37** 1949.

Diplops desertorum Mulaik & Higgins synon. of *Superstitionia donensis* Stahnke p. 243, STAHNKE **586.**

†*Dolichophonus* **gen. nov.** [Palaeophonidae] defined p. 131; type species *Palaeophonus londonensis* Laurie, 1898 notes p. 132 fig., PETRUNKEVITCH Trans. Conn. Acad. Arts Sci. **37** 1949.

†*Eoscorpius* characters of gen. revised p. 151; *E.* key to spp. p. 152, PETRUNKEVITCH **466.**

†*Europhthalmus* **gen. nov.** [Eoscorpionidae] defined p. 142; type species *E. longimanus* **sp. nov.** Middle Coal Measures, Crawcrook, Ryton-on-Tyne, Durham p. 154 figs.; *E.* sp. ? described p. 155 figs., PETRUNKEVITCH Trans. Conn. Acad. Arts Sci. **37** 1949.

Leiurus quinquestriatus redescribed p. 83 figs.; *L. quinquestriatus quinquestriatus* redescribed p. 88 figs., VACHON Arch. Inst. Pasteur, Alger. **27** 1949.

†*Lichnophthalmus* **gen. nov.** [Eoscorpionidae] defined p. 147 ; type species *L. pulcher* **sp. nov.** Middle Coal Measures, Crow Coal, Crawcrook, Ryton-on-Tyne, Durham p. 147 figs., PETRUNKEVITCH Trans. Conn. Acad. Arts Sci. **37** 1949.

†*Lichnoscorpius* **gen. nov.** [Eoscorpionidae] defined p. 148 ; type species *L. minutus* **sp. nov.** Upper Carboniferous Coal Measures, Coseley, Staffs, England p. 148 figs., PETRUNKEVITCH Trans. Conn. Acad. Arts Sci. **37** 1949.

Microbuthus gen. revised p. 389 ; *M. fagei* **sp. nov.** ♀ Nouakchott, Morocco p. 393 figs., VACHON Arch. Inst. Pasteur, Alger. **27** 1949.

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†*Palaeophonus caledonicus* notes p. 128 fig. ; *P. nuncius* notes p. 127 fig. ; *P. osborni* notes p. 127 fig., PETRUNKEVITCH **466.**

†*Palaeopisthacanthus* emended p. 154, PETRUNKEVITCH **466.**

†*Palaeoscorpius* **gen. nov.** *devonicus* **sp. nov.** Grube Eschenbach, Bundenbach, Switzerland p. 177 figs., LEHMANN N. Jahrb. Min. Geol. Paläont. Stuttgart **B7–9** 1944.

Scorpio maurus behringsi ♀ **subsp. nov.** Marocco p. 193 fig. ; *S. maurus stemmleri* ♂ . ♀ **subsp. nov.** Djebel Iskt ob Demnat, Marocco p. 194 fig. ; *S. maurus maurus* tables of comparison p. 189, SCHENKEL Verh. naturf. Ges. Basel **60** 1949.

†*Typhlopisthacanthus* **gen. nov.** [Eoscorpionidae] defined p. 144 ; type species *Palaeopisthacanthus mazonensis* Petrunkevitch, 1913 p. 145 ; *T. anglicus* **sp. nov.** Upper Carboniferous, Coseley, Staffs, England p. 145 figs., PETRUNKEVITCH Trans. Conn. Acad. Arts Sci. **37** 1949.

†*Typhloscorpius* **gen. nov.** [Eoscorpionidae] defined p. 146 ; type species *T. distinctus* **sp. nov.** Coal Measures, Coseley, Staffs, England p. 146 figs., PETRUNKEVITCH Trans. Conn. Acad. Arts Sci. **37** 1949.

Xomyobuthus NOM. NUD. used in error for *Compsobuthus* p. 93, VACHON Arch. Inst. Pasteur Alger. **27** 1949.

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†*Graeophonus anglicus* redescribed p. 271 figs., PETRUNKEVITCH **466.**

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†*Curculioides* key to spp. p. 286 ; *C. eltringhami* **sp. nov.** Middle Coal Measures, Crawcrook, near Ryton-on-Tyne, Durham, England p. 291 fig. ; *C. granulatus* **sp. nov.** Coal Measures, Shipley claypit, England p. 287 figs., PETRUNKEVITCH Trans. Conn. Acad. Arts Sci. **37** 1949.

†*Polyochera* key to spp. p. 285, PETRUNKEVITCH **466.**

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Chthonius microphthalmus vallei **subsp. nov.** in cave Spipola, Bologna, Italy p. 498 fig., BIANCHI ET AL. Comment. pont. Acad. Scient. **13** 1949; *C.* (*Ephippiochthonius*) *californicus* diagnosis emended p. 2 fig., CHAMBERLIN **111**; *C. ischnocheles* characters p. 433 fig.; *C. tetrachelatus* characters p. 433 fig., HOFF **282**; *C.* (*Ephippiochthonius*) *tetrachelatus* redescribed p. 79 figs., RAFALSHI **494**.

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Diplotemnus ophthalmicus **sp. nov.** Duany-tay, Tehikmensk distr., South Kazakhstan and Kirgisian Ala-tay, Russia p. 646 figs.; *D. pomerantzevi* **sp. nov.** Voroshilov, Russia p. 648 figs., [REDIKORZEV] Trav. Inst. zool. Acad. Sci. U.R.S.S. **8** 1949.

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Hansenius spinosus **sp. nov.** ♀ Zambi, Belgian Congo p. 29 fig., CHAMBERLIN Amer. Mus. Nov. No. 1430 1949.

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Illinichernes **gen. nov.** [Chernetidae] defined p. 481; type species *I. distinctus* **sp. nov.** ♂. ♀ Magnolia. Illinois p. 481 figs., HOFF Bull. Illinois nat. Hist. Surv. **24** 1949.

Kleptochthonius **gen. nov.** [Chthoniidae] pro *Heterochthonius* J. C. Chamberlin (1929) preocc. p. 4; type species *Apochthonius* (*Heterochthonius*) *crosbyi* J. C. Chamberlin p. 4, CHAMBERLIN Amer. Mus. Nov. No. 1430 1949.

Lamprochernes minor **sp. nov.** ♂. ♀ Urbana, Illinois p. 453 figs.; *L. oblongus* neotype ♂ described p. 450 figs., HOFF Bull. Illinois nat. Hist. Surv. **24** 1949; *L. muscivorus* **sp. nov.** Kashkadarinsk distr., Shakhriziab and Ashkhabad, Russia p. 650 figs., [REDIKORZEV] Trav. Inst. Zool. Acad. Sci. U.R.S.S. **8** 1949.

Larca granulata measurements p. 447 figs., HOFF **282**.

Lophochernes melanopygus **sp. nov.** Uzbekistan, envir. Shakhrizyabz, envir. Stara Bukhara, Russia p. 662 figs., [REDIKORZEV] Trav. Inst. zool. Acad. Sci. U.R.S.S. **8** 1949.

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Neobisium improvisum **sp. nov.** Tantchilik, Almaatinsk distr., Krizakhstan, Russia p. 641 figs., [REDIKORZEV] Trav. Inst. Zool. Acad. Sci. U.R.S.S. **8** 1949; *N. carolinesis tenuis* note p. 444 figs., HOFF **282**; *N.* (*Neobisium*) *caucasicum* redescribed p. 100 figs.; *N.* (*N.*) *granulatum* redescribed p. 92 figs.; *N.* (*N.*) *moreoticum* redescribed p. 98 figs.; *N.* (*N.*) *sylvaticum* redescribed p. 85 figs., RAFALSHI **494.**

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Parachernes squarrosus **sp. nov.** ♂ Fowler, ♀ Karnak, Illinois p. 456 figs., HOFF Bull. Illinois nat. Hist. Surv. **24** 1949.

Parachthonius **gen. nov.** [Chthoniidae] defined p. 317; type species *P. meneghettii* **sp. nov.** Mau, Kenya Colony p. 317, CAPORIACCO Comm. Pont. Acad. Scient. **13** 1949.

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Arminda **gen. nov.** [Tricommatinae] separated from *Phalangodella* Roewer (1912), type species *A. colatinae* Soares (1946) p. 144, ROEWER Veröff. Mus. Nat. Bremen No. 1A 1949.

Asproleria **gen. nov.** [Ibaloniinae] defined p. 264 ; type species *A. albituberculata* **sp. nov.** ♂ . ♀ Finschhafen, New Guinea p. 264 fig., ROEWER Senckenbergiana Frankfurt **30** 1949.

Avima **gen. nov.** [Tricommatinae] defined p. 58 ; type species *A. leucobunus* **sp. nov.** ♂ Paramaribo, Dutch Guiana p. 58 fig. ; *A. bicoloripes* **sp. nov.** ♂ . ♀ Belem, Brazil p. 58 fig., ROEWER Senckenbergiana Frankfurt **30** 1949.

Ayacucho **gen. nov.** [Tricommatinae] defined p. 57 ; type species *A. titschacki* **sp. nov.** ♂ Ayacucho, Peru p. 57 fig., ROEWER Senckenbergiana Frankfurt **30** 1949.

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Basoides **gen. nov.** [Podoctinae] defined p. 276 ; type species *Baso mucronatus* Roewer 1927 p. 276, ROEWER Senckenbergiana Frankfurt **30** 1949.

Batjanellus **gen. nov.** [Ibaloniinae] defined p. 269 ; type species *Ibalonius quadriguttatus* Hirst 1912 p. 269 fig., ROEWER Senckenbergiana Frankfurt **30** 1949.

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Belemarua **gen. nov.** separated from *Paramitraceras* Cambridge (1905), type species *P. nitens* Soares (1946) p. 143, ROEWER Veröff. Mus. Nat. Bremen No. 1A 1949.

Beloniscellus narmadeus **sp. nov.** ♂ Narmada, Lombok, Dutch East Indies p. 56 fig., ROEWER Senckenbergiana Frankfurt **30** 1949.

Beloniscops **gen. nov.** [Phalangodinae] defined p. 53 ; type species *B. flavicalcar* **sp. nov.** ♂ Padang, Sumatra p. 53 fig. ; *B. lata* **sp. nov.** ♀ Fort de Kock, Sumatra p. 53 fig., ROEWER Senckenbergiana Frankfurt **30** 1949.

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Biantanius **gen. nov.** [Biantinae] defined p. 254 ; type species *Metabiantes vertebralis* Lawrence 1933 p. 254, ROEWER Senckenbergiana Frankfurt **30** 1949.

Biantella **gen. nov.** [Biantinae] defined p. 249 ; type species *B. reticulata* Roewer 1927 p. 249, ROEWER Senckenbergiana Frankfurt **30** 1949.

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Biantessus **gen. nov.** [Biantinae] defined p. 254 ; type species *Metabiantes nigrotarsus* Lawrence 1933 p. 254, ROEWER Senckenbergiana Frankfurt **30** 1949.

Biantica **gen. nov.** [Biantinae] defined p. 252 ; type species *B. comorensis* **sp. nov.** ♂ . ♀ La Grille, Komoren p. 253 fig. ; *B. madagassis* **sp. nov.** ♂ . ♀ Antongil Bay, Madagascar p. 253 fig., ROEWER Senckenbergiana Frankfurt **30** 1949.

Biantidius **gen. nov.** [Biantinae] defined p. 252 ; type species *Biantes bicolor* Pocock 1903 p. 252 figs., ROEWER Senckenbergiana Frankfurt **30** 1949.

Biantiplus **gen. nov.** [Biantinae] defined p. 250 ; type species *Metabiantes zuluanus* Lawrence 1937 p. 250, ROEWER Senckenbergiana Frankfurt **30** 1949.

Biantomma **gen. nov.** [Biantinae] defined p. 244 ; type species *B. nigrospinosum* **sp. nov.** ♂ . ♀ Pic v St. Isabel, Fernando Po p. 244 fig., ROEWER Veröff. dtsch. Kolon.-Uebersee Mus. Bremen **3** 1942.

Biantops **gen. nov.** [Biantinae] defined p. 248 ; type species *Biantes fuscipes* Thorell 1890 p. 248 fig., ROEWER Senckenbergiana Frankfurt **30** 1949.

Biantula **gen. nov.** [Biantinae] defined p. 252 ; type species *B. gracilis* **sp. nov.** ♂ . ♀ Marie, Madagascar p. 252 fig., ROEWER Senckenbergiana Frankfurt **30** 1949.

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Brimma **gen. nov.** [Phalangodinae] defined p. 19; type species *B. hirsuta* **sp. nov.** ♂ Waldeck Farm, Costa Rica p. 19 fig., ROEWER Senckenbergiana, Frankfurt **30** 1949.

Buparellus **gen. nov.** [Phalangodinae] defined p. 53; type species *Bupares mitylus* Thorell 1889 p. 53; *B. dibunichelis* **sp. nov.** ♂ Pegu, Burma p. 53 fig.; *B. patellaris* **sp. nov.** ♂ Moulmein, Burma p. 53 fig., ROEWER Senckenbergiana Frankfurt **30** 1949.

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Buparomma **gen. nov.** separated from *Bupares* Thorell (1889), type species *B. capellum* Thorell (1889) p. 143, ROEWER Veröff. Mus. Nat. Bremen No. 1A 1949.

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Celebesia **gen. nov.** [Ibaloniinae] defined p. 257; type species *C. tenuis* **sp. nov.** ♂ Celebes p. 257 fig., ROEWER Senckenbergiana Frankfurt **30** 1949.

Cerroa hirsuta **sp. nov.** ♂. ♀ La Palma, Costa Rica p. 25 fig., ROEWER Senckenbergiana Frankfurt **30** 1949.

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Cochirapha **gen. nov.** [Phalangodinae] defined p. 40; type species *C. rugipes* **sp. nov.** ♂ Guayaquil, Ecuador p. 41 fig., ROEWER Senckenbergiana Frankfurt **30** 1949.

Conomma asper **sp. nov.** ♂ Dundo, Lunda, Angola p. 16 fig., LAWRENCE Pub. Cult. Comp. Diam. Angola 1949; *C. annobomum* **sp. nov.** ♂. ♀ Annobom Id. Gulf of Guinea p. 38 fig.; *C. biarmatum* **sp. nov.** ♀ Aburi, Gold Coast p. 36 fig.; *C. cassinium* **sp. nov.** ♂. ♀ Rio Cassini, Portuguese Guinea p. 34 fig.; *C. harpago* **sp. nov.** ♂ ♀ Aburi, Gold Coast p. 36 fig.; *C. oedipus* **sp. nov.** ♂ Fernando Po p. 36 fig.; *C. orientale* **sp. nov.** ♂. ♀ Moshi, East Africa p. 38 fig. · *C. pachytarsus* **sp. nov.** ♂. ♀ Aburi, Gold Coast p. 34 fig.; *C. principeum* **sp. nov.** ♂. ♀ Principe Id., Gulf of Guinea p. 36 fig.; *C. pygatum* **sp. nov.** ♂. ♀ Maru Mountains, Cameroons p. 38 fig.; *C. simplex* **sp. nov.** ♂ Aburi, Gold Coast p. 34 fig., ROEWER Senckenbergiana Frankfurt **30** 1949.

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Detlefilus **gen. nov.** [Phalangodinae] defined p. 18; type species *D. trispinosus* **sp. nov.** ♂. ♀ La Paz, Bolivia p. 18 fig., ROEWER Senckenbergiana, Frankfurt **30** 1949.

Dimesoceras **gen. nov.** [Ibaloniinae] defined p. 263; type species *Ibalonius lomani* Hirst 1911 (sub. *Mesoceras*) p. 264 fig., ROEWER Senckenbergiana Frankfurt **30** 1949.

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Erebomaster flavescens redescribed p. 170 figs., BISHOP **67**.

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Eulomanius **gen. nov.** [Erecananinae] defined p. 286; type species *Paralomanius brevipalpus* Goodnight & Goodnight 1948 p. 286 fig., ROEWER Senckenbergiana Frankfurt **30** 1949.

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Euzalmoxis pumila **sp. nov.** ♂ Sepik, New Guinea p. 24 fig.; *E. ponapea* **sp. nov.** ♂. ♀ Ponape, Caroline Is. p. 24 fig., ROEWER Senckenbergiana Frankfurt **30** 1949.

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Fageibiantes **gen. nov.** [Biantinae] defined p. 253; type species *Biantes bicornis* Fage 1946 p. 253 fig., ROEWER Senckenbergiana Frankfurt **30** 1949.

Gaditusa **gen. nov.** [Podoctinae] defined p. 277; type species *G. coxalis* **sp. nov.** ♂ Borneo p. 277 fig., ROEWER Senckenbergiana Frankfurt **30** 1949.

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Goodnightiella **gen. nov.** separated from *Crosbyella* Roewer (1927), type species *C. distincta* Goodnight (1942) p. 143, ROEWER Veröff. Mus. Nat. Bremen No. 1A 1949.

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Istithaeus **gen. nov.** [Phalangodinae] defined p. 49 ; type species *I. atroluteus* **sp. nov.** ♂ Borneo p. 49 fig., ROEWER Senckenbergiana Frankfurt **30** 1949.

Japetus **gen. nov.** [Podoctinae] defined p. 274 ; type species *J. longipes* **sp. nov.** ♂ Borneo p. 274 fig., ROEWER Senckenbergiana Frankfurt **30** 1949.

Johorella **gen. nov.** [Phalangodinae] defined p. 49 ; type species *J. simplex* **sp. nov.** ♂ . ♀ Johore p. 49 fig., ROEWER Senckenbergiana Frankfurt **30** 1949.

Kappacola **gen. nov.** [Ibaloniinae] defined p. 260 ; type species *K. silvestris* **sp. nov.** ♂ . ♀ Sarawak p. 260 fig., ROEWER Senckenbergiana Frankfurt **30** 1949.

Kendengus **gen. nov.** [Phalangodinae] defined p. 56 ; type species *Belonisculus javanus* Roewer 1927 p. 56, ROEWER Senckenbergiana Frankfurt **30** 1949.

Kokoda **gen. nov.** [Phalangodinae] defined p. 41 ; type species *K. luteoscutum* **sp. nov.** ♂ . ♀ Kokoda, New Guinea p. 42 fig., ROEWER Senckenbergiana Frankfurt **30** 1949.

Kondosus **gen. nov.** [Phalangodinae] defined p. 49 ; type species *K. borneoensis* **sp. nov.** ♂ Borneo p. 49 fig., ROEWER Senckenbergiana Frankfurt **30** 1949.

Lanesoares **gen. nov.** (Tricommatinae) separated from *Phalangodella* Roewer (1912), type species *P. inermis* Soares (1944) p. 144, ROEWER Veröff. Mus. Nat. Bremen No. 1A 1949.

Lapazia **gen. nov.** [Phalangodinae] defined p. 14 ; type species *L. minima* **sp. nov.** ♂ La Paz, Bolivia p. 16 fig., ROEWER Senckenbergiana Frankfurt **30** 1949.

Lejokus **gen. nov.** [Podoctinae] defined p. 272 ; type species *L. silvestris* **sp. nov.** ♂ . ♀ Borneo p. 272 fig., ROEWER Senckenbergiana Frankfurt **30** 1949.

Linabia **gen. nov.** [Phalangodinae] defined p. 29 ; type species *Zalmoxis armatipes* Strand 1910 p. 29 ; *L. cheesmani* **sp. nov.** ♂ . ♀ Mount Lina, New Guinea p. 29 fig., ROEWER Senckenbergiana Frankfurt **30** 1949.

Lomanius tridens p. 283 fig., ROEWER **523**.

Manema **gen. nov.** [Ibaloniinae] defined p. 258 ; type species *M. spinata* **sp. nov.** ♂ Sumbawa, Dutch East Indies p. 258 fig., ROEWER Senckenbergiana Frankfurt **30** 1949.

Maquilingius **gen. nov.** [Erecananinae] defined p. 284 ; type species *Lomanius minimus* Roewer 1926 p. 284 fig., ROEWER Senckenbergiana Frankfurt **30** 1949.

Maracaynatum **gen. nov.** [Samoinae] defined p. 59 ; type species *M. orchidearum* **sp. nov.** ♀ Maracay, Venezuela p. 59 fig., ROEWER Senckenbergiana Frankfurt **30** 1949.

Melloceras **gen. nov.** (Tricommatinae) separated from *Pseudophalangodes* Roewer (1912), type species *P. bimaculatus* Mello-Leitão (1932) p. 144, ROEWER Veröff. Mus. Nat. Bremen No. 1A 1949.

Mellops **gen. nov.** (Tricommatinae) separated from *Phalangodella* Roewer (1912), type species *P. fasciatus* Mello-Leitão (1932) p. 144, ROEWER Veröff. Mus. Nat. Bremen No. 1A 1949.

Mesoceras ferrugineum p. 268 fig., ROEWER **523**.

Mesoceratula **gen. nov.** [Ibaloniinae] defined p. 263 ; type species *Mesoceras spinigera* Soerensen 1885 p. 263 fig., ROEWER Senckenbergiana Frankfurt **30** 1949.

Metabiantes flava **sp. nov.** Dundo, Lunda, Angola p. 17, LAWRENCE Pub. Cult. Comp. Diam. Angola 1949 ; *M. convexus* **sp. nov.** ♀ Ruwenzori, East Africa p. 248 fig. ; *M. filipes* distribution p. 248 fig. ; *M. meraculus* distribution p. 248 fig. ; *M. pumilio* distribution p. 248 fig. ; *M. pusulosus* distribution p. 248 fig. ; *M. unicolor* distribution p. 248 fig., ROEWER Senckenbergiana Frankfurt **30** 1949.

Metapodoctis formosae p. 272 fig., ROEWER **523**.

Microconomma [subfam. Samoinae] *armatipes* ♂ redescribed p. 58 fig., ROEWER **522**.

Minuella **gen. nov.** [Phalangodinae] defined p. 40 ; type species *Minua dimorpha* Soerensen 1932 p. 40 fig., ROEWER Senckenbergiana Frankfurt **30** 1949.

Minuides rudicoxa **sp. nov.** ♂ Gurjahu, Recife, Pernambuco, Brazil p. 14 fig., ROEWER Senckenbergiana Frankfurt **30** 1949.

Monticolina acutinasua note p. 14 fig., SOARES & SOARES **573.**

Neobabrius **gen. nov.** [Phalangodinae] defined p. 19 ; type species *N. parvulus* **sp. nov.** ♂ . ♀ Bawean Ils., Java p. 19 fig., ROEWER Senckenbergiana Frankfurt **30** 1949.

Neoibalonius semperi p. 266 fig., ROEWER **523.**

Neopodoctis ceylonensis p. 280 fig. ; *N. taprobanicus* p. 280 fig., ROEWER **523.**

Nurullus **gen. nov.** [Ibaloniinae] defined p. 262 ; type species *N. armatissimus* **sp. nov.** ♂ Borneo p. 262 fig., ROEWER Senckenbergiana Frankfurt **30** 1949.

Opconommula **gen. nov.** [Phalangodinae] defined p. 49 ; type species *Opconomma spinosa* Roewer 1927 p. 49 fig., ROEWER Senckenbergiana Frankfurt **30** 1949.

Panopiliops **nom. nov.** for *Panoplia* Roewer (1949) nec Huebn. (1816) and Heyden (1826) p. 144, ROEWER Veröff. Mus. Nat. Bremen No. 1A 1949.

Panoplia **gen. nov.** [Phalangodinae] defined p. 42 ; type species *P. reimoseri* **sp. nov.** ♂ ♀ in nest of *Gymnostinops montezuma*, Hamburg Farm, Costa Rica p. 42 fig., ROEWER Senckenbergiana Frankfurt **30** 1949.

Panzosus **gen. nov.** [Phalangodinae] defined p. 12 ; type species *Paramitraceras hispidulus* Cambridge 1905 p. 12 fig., ROEWER Senckenbergiana Frankfurt **30** 1949.

Papuastus **gen. nov.** [Phalangodinae] defined p. 26 ; type species *P. maculosus* **sp. nov.** ♂ New Guinea p. 26 fig., ROEWER Senckenbergiana, Frankfurt **30** 1949.

Papuodes **gen. nov.** [Phalangodinae] defined p. 29 ; type species *P. convexus* **sp. nov.** ♂ Astrolabe Bay, New Guinea p. 30 fig., ROEWER Senckenbergiana Frankfurt **30** 1949.

Parabonea **gen. nov.** [Ibaloniidae] defined p. 262 ; type species *P. scopulata* **sp. nov.** ♂ Singapore p. 262 fig., ROEWER Senckenbergiana Frankfurt **30** 1949.

Paralomanius redefined p. 286 ; *P. longipalpus* p. 286 fig., ROEWER **523.**

Paralus **gen. nov.** [Phalangodinae] defined p. 42 ; type species *P. granitus* **sp. nov.** ♂ Terra Vermella, Brazil p. 44 fig., ROEWER Senckenbergiana Frankfurt **30** 1949.

Paramitraceras singularis **sp. nov.** ♂ Marumbi, Paraná, Brazil p. 57 figs., SOARES & SOARES Pap. Avulsos Dept. Zool. S. Paulo **9** 1949.

Parazalmoxia rōweri **sp. nov.** ♂ . ♀ Mau, Nairobi p. 488 figs., CAPORIACCO Comm. Pont. Acad. Scient. **13** 1949.

Paribalonius bimaculatus bimaculatus p. 266 fig. ; *P. bimaculatus duplex* p. 266 ; *P. inscriptus* p. 264 fig., ROEWER **523.**

Parisminia **gen. nov.** [Phalangodinae] defined p. 24 ; type species *P. atrolutea* **sp. nov.** ♂ . ♀ St. Clara on Parismina River, Costa Rica p. 25 fig. ; *P. filipes* **sp. nov.** ♂ . ♀ San José, Costa Rica p. 25 fig. ; *P. trochanterica* **sp. nov.** ♂ Parismina River bank, Costa Rica p. 25 fig., ROEWER Senckenbergiana Frankfurt **30** 1949.

Pegulius **gen. nov.** [Phalangodinae] defined p. 12 ; type species *P. parvulus* **sp. nov.** ♂ Moulmein, Pegu, Burma p. 13 fig., ROEWER Senckenbergiana, Frankfurt **30** 1949.

Pentacros **gen. nov.** [Ibaloniinae] defined p. 268 ; type species *P. margaritatus* **sp. nov.** ♂ Waigen Id., Dutch East Indies p. 268 fig., ROEWER Senckenbergiana Frankfurt **30** 1949.

Peromona **gen. nov.** [Podoctinae] defined p. 282 ; type species *P. erinacea* **sp. nov.** ♀ Mahé, Seychelles p. 282 fig., ROEWER Senckenbergiana Frankfurt **30** 1949.

Phalangodinus analis **sp. nov.** ♂ . ♀ Mun. Goyanna, Pernambuco, Brazil p. 14 fig., ROEWER Senckenbergiana Frankfurt **30** 1949.

Phalangoduna **gen. nov.** [Phalangodinae] defined p. 33 ; type species *P. granosa* **sp. nov.** ♂ La Palma, Costa Rica p. 33 fig., ROEWER Senckenbergiana Frankfurt **30** 1949.

Phalangomma **gen. nov.** [Phalangodinae] defined p. 40 ; type species *P. virginicum* **sp. nov.** ♂ . ♀ Fountain Cave, Virginia p. 40 fig., ROEWER Senckenbergiana Frankfurt **30** 1949.

Phalpuna **gen. nov.** [Phalangodinae] defined p. 41 ; type species *P. urarmata* **sp. nov.** ♂ Puna Id., Ecuador p. 41 fig., ROEWER Senckenbergiana Frankfurt **30** 1949.

Philacarus emend. p. 50 ; type species *P. samoides* Soerensen 1932 p. 50 fig., ROEWER Senckenbergiana Frankfurt **30** 1949.

Philibalonius bakeri p. 266 fig., ROEWER **523**.

Pirahya **gen. nov.** [Tricommatinae] defined p. 57 ; type species *P. clavitibialis* **sp. nov.** ♂ Pirahya, Brazil p. 57 fig., ROEWER Senckenbergiana Frankfurt **30** 1949.

Podoctellus **gen. nov.** [Podoctinae] defined p. 276 ; type species *P. johorensis* **sp. nov.** ♂ Johore p. 276 fig., ROEWER Senckenbergiana Frankfurt **30** 1949.

Podoctinus willeyi redescribed p. 270 fig., ROEWER **523**.

Podoctis armatissimus p. 276 fig., ROEWER **523**.

Podoctomma **gen. nov.** [Podoctinae] defined p. 276 ; type species *P. javanum* **sp. nov.** ♀ Idjen Mt., Java p. 276 fig., ROEWER Senckenbergiana Frankfurt **30** 1949.

Podoctops **gen. nov.** [Podoctinae] defined p. 277 ; type species *P. multimaculatum* **sp. nov.** ♂ Padang, Sumatra p. 277 fig., ROEWER Senckenbergiana Frankfurt **30** 1949.

Posisus **gen. nov.** [Ibaloniidae] defined p. 258 ; type species *P. albertus* **sp. nov.** ♂ Borneo p. 260 fig., ROEWER Senckenbergiana Frankfurt **30** 1949.

Probiantes mauriticus **sp. nov.** ♂ Mauritius p. 248 fig., ROEWER Senckenbergiana Frankfurt **30** 1949.

Prolacurbs **gen. nov.** [Biantinae] defined p. 256 ; type species *P. singularis* **sp. nov.** ♂ Aburi, Gold Coast p. 256 figs., ROEWER Senckenbergiana Frankfurt **30** 1949.

Pumbaraius malabarensis **sp. nov.** ♂ Satara, Dekan, India p. 278 fig., ROEWER Senckenbergiana Frankfurt **30** 1949.

Pygozalmoxis **gen. nov.** [Phalangodinae] defined p. 28 ; type species *Zalmoxis neocaledonica* Roewer 1912 p. 28 fig., ROEWER Senckenbergiana Frankfurt **30** 1949.

Pyramidops biseriata **sp. nov.** ♀ Fernando Po p. 40 fig. ; *P. congonis* **sp. nov.** ♂ Leopoldville, Belgian Congo p. 38 fig. ; *P. major* **sp. nov.** ♂ Cameroons p. 40 fig., ROEWER Senckenbergiana Frankfurt **30** 1949.

Remyus **gen. nov.** [Phalangodinae] defined p. 288 ; type species *R. gracillimus* **sp. nov.** ♂ . ♀ Andranofotsykely, Madagascar p. 288 fig., ROEWER Senckenbergiana Frankfurt **30** 1949.

Resinthicus **gen. nov.** [Phalangodinae] defined p. 19 ; type species *R. brevis* **sp. nov.** ♂ . ♀ Panzos, Costa Rica p. 19 fig., ROEWER Senckenbergiana Frankfurt **30** 1949.

Samoa obscura redescribed p. 60 fig., ROEWER **522**.

Santobius **gen. nov.** [Ibaloniinae] defined p. 268 ; type species *S. spinitarsus* **sp. nov.** ♂ . ♀ Tatarii, West Santo, New Hebrides p. 268 fig., ROEWER Senckenbergiana Frankfurt **30** 1949.

Savoa **gen. nov.** [Phalangodinae] defined p. 144 ; type species *S. bonka* **sp. nov.** ♀ Savo Id., Solomon Is., p. 145 figs., FORSTER Rec. Aust. Mus. Sydney **22** 1949.

Sawaiellus **gen. nov.** [Samoinae] defined p. 59 ; type species *S. berlandi* **sp. nov.** ♂ Sawai, Samoa Id. p. 59 fig., ROEWER Senckenbergiana Frankfurt **30** 1949.

Seblatus **gen. nov.** [Phalangodinae] defined p. 32 ; type species *S. coxalis* **sp. nov.** ♂ Seblat, Sumatra p. 32 fig., ROEWER Senckenbergiana Frankfurt **30** 1949.

Segundolus **gen. nov.** [Tricommatinae] defined p. 56 ; type species *S. insignitus* **sp. nov.** ♂ Nova Teutonia, Brazil p. 56 fig., ROEWER Senckenbergiana Frankfurt **30** 1949.

Sempalus **gen. nov.** [Phalangodinae] defined p. 41 ; type species *S. setulosus* **sp. nov.** ♀ Darien, Panama p. 41 fig., ROEWER Senckenbergiana Frankfurt **30** 1949.

Sepikusta **gen. nov.** [Phalangodinae] defined p. 29 ; type species *S. armata* **sp. nov.** ♂ Sepik, New Guinea p. 29 fig., ROEWER Senckenbergiana Frankfurt **30** 1949.

Sergiticus **gen. nov.** [Phalangodinae] defined p. 18; type species *S. spiniger* **sp. nov.** ♂ Finschhafen, New Guinea p. 18 fig., ROEWER Senckenbergiana, Frankfurt **30** 1949.

Siryseus **gen. nov.** [Phalangodinae] defined p. 11; type species *S. tibialis* **sp. nov.** ♂ Pernambuco, Brazil p. 12 fig., ROEWER Senckenbergiana Frankfurt **30** 1949.

Sitalcicus gardineri notes p. 262 fig., ROEWER **523**.

Sivianus **gen. nov.** [Phalangodinae] defined p. 16; type species *S. titschacki* **sp. nov.** ♂ Sivia, Peru p. 16 fig., ROEWER Senckenbergiana Frankfurt **30** 1949.

Skufia **gen. nov.** [Phalangodinae] defined p. 13; type species *S. parva* **sp. nov.** ♂ Misahöhe, Togo, West Africa p. 13 fig., ROEWER Senckenbergiana, Frankfurt **30** 1949.

Soaresula **gen. nov.** (Tricommatinae) separated from *Paratricommatus* Piza (1943) type species *P. melloleitaoi* Soares (1945) p. 144, ROEWER Veröff. Mus. Nat. Bremen No. 1A 1949.

Solola **gen. nov.** [Phalangodinae] defined p. 30; type species *S. robusta* **sp. nov.** ♂ Quezaltenango, Guatemala p. 30 fig., ROEWER Senckenbergiana Frankfurt **30** 1949.

Spalicus **gen. nov.** [Phalangodinae] defined p. 22; type species *S. oeditarsus* **sp. nov.** ♂ Blue Mountains, New South Wales p. 24 fig., ROEWER Senckenbergiana Frankfurt **30** 1949.

Sphingonus **gen. nov.** [Phalangodinae] defined p. 26; type species *S. zalmoxiformis* **sp. nov.** ♂ San José, Costa Rica p. 26 fig., ROEWER Senckenbergiana Frankfurt **30** 1949.

Spinibiantes insulanus **sp. nov.** ♂ Principe Id., West Africa p. 249 fig.; *S. leighi* redescribed p. 249 fig., ROEWER Senckenbergiana Frankfurt **30** 1949.

Stobitus **gen. nov.** [Podoctinae] defined p. 276; type species *S. spinipes* **sp. nov.** ♂ Pahang, Federated Malay States p. 276 fig., ROEWER Senckenbergiana Frankfurt **30** 1949.

Suraplus **gen. nov.** [Ibaloniinae] defined p. 262; type species *S. palpalis* **sp. nov.** ♂ Surabaya, Java p. 262 fig., ROEWER Senckenbergiana Frankfurt **30** 1949.

Tampiconus **gen. nov.** [Phalangodinae] defined p. 50; type species *I. philippii* **sp. nov.** ♂ Tampico, Mexico p. 50 fig., ROEWER Senckenbergiana Frankfurt **30** 1949.

Tegipiolus **gen. nov.** [Phalangodinae] defined p. 12; type species *T. pachypus* **sp. nov.** ♂. ♀ Tegipio, Pernambuco, Brazil p. 12 fig., ROEWER Senckenbergiana Frankfurt **30** 1949.

Tetebius **gen. nov.** [Phalangodinae] defined p. 288; type species *T. latibunus* **sp. nov.** ♂ Tete, Portuguese East Africa p. 288 fig., ROEWER Senckenbergiana Frankfurt **30** 1949.

Tetesia **gen. nov.** [Phalangodinae] defined p. 25; type species *T. gracilipes* **sp. nov.** ♂. ♀ Tetes, Costa Rica p. 25 fig., ROEWER Senckenbergiana Frankfurt **30** 1949.

Thaipea **gen. nov.** [Erecananinae] defined p. 284; type species *Lomanius formosae* Roewer 1912 p. 284 fig., ROEWER Senckenbergiana Frankfurt **30** 1949.

Timoleon lesserti **sp. nov.** ♂ La Paz. Bolivia p. 13 fig., ROEWER Senckenbergiana Frankfurt **30** 1949.

Tithaeomma **gen. nov.** [Phalangodinae] defined p. 48; type species *T. tenuissimum* **sp. nov.** ♂ Moulmein, Burma p. 48 fig., ROEWER Senkenbergiana Frankfurt **30** 1949.

Tithaeus birmanicus **sp. nov.** ♂. ♀ Matewoor, Burma p. 46 fig.; *T. borneensis* **sp. nov.** ♀ Borneo p. 45 fig.; *T. fuscus* **sp. nov.** ♀ Borneo p. 45 fig.; *T. javanus* **sp. nov.** ♂. ♀ Kedah, Java p. 44 fig.; *T. johorensis* **sp. nov.** ♂. ♀ Johore, Malay States p. 45 fig.; *T. krakatauensis* **sp. nov.** ♂ Krakatau Id., Dutch East Indies p. 45 fig.; *T. lesserti* **sp. nov.** ♀ Borneo p. 45 fig.; *T. malakkanus* **sp. nov.** ♀ Malacca, Straits Settlements p. 48 figs.; *T. metatarsalis* **sp. nov.** ♂. ♀ Pulu Pinang, p. 44 fig.; *T. minor* **sp. nov.** ♂ Singapore p. 44 fig.; *T. pumilio* **sp. nov.** ♂. ♀ Sarawak p. 48 fig.; *T. rudispina* **sp. nov.** ♂. ♀ Johore p. 48 fig.; *T. siamensis* **sp. nov.** ♂. ♀ Bandoa, Siam p. 46 fig.; *T. tenuis* **sp. nov.** ♂. ♀ Johore p. 48 fig.; *T. timorensis* **sp. nov.** ♂ Timor Id. p. 45 fig.; *T. trimaculatus* **sp. nov.** ♂ Mentawei Id., Dutch East Indies p. 46 fig., ROEWER Senckenbergiana Frankfurt **30** 1949.

Trencona **gen. nov.** [Podoctinae] defined p. 277 ; type species *T. setipes* **sp. nov.** ♂ Borneo p. 277 fig., ROEWER Senckenbergiana Frankfurt **30** 1949.

Trigonobunus spinifer p. 277 fig., ROEWER **523.**

Trimesoceras **gen. nov.** [Ibaloniinae] defined p. 263 ; type species *Ibalonius flavopictum* Hirst 1911 (sub. *Mesoceras*) p. 263 fig., ROEWER Senckenbergiana Frankfurt **30** 1949.

Trispinibunus abnormis redescribed p. 258 fig., ROEWER **523.**

Tweedielus brevipes **sp. nov.** ♂ Pahang, F.M.S. p. 44 fig., ROEWER Senckenbergiana Frankfurt **30** 1949.

Viacha **gen. nov.** [Phalangodinae] defined p. 18 ; type species *V. granulata* **sp. nov.** ♂ Viacha, Bolivia p. 18 fig., ROEWER Senckenbergiana Frankfurt **30** 1949.

Vima plana **sp. nov.** ♂ Rancho Grande, Venezuela p. 21 figs., GOODNIGHT & GOODNIGHT Zoologica New York **34** 1949.

Vimula **gen. nov.** (Tricommatinae) separated from *Vima* Hirst (1912), type species *V. albiornata* Goodnight (1947) p. 144, ROEWER Veröff. Mus. Nat. Bremen No. 1A 1949.

Waigeucola **gen. nov.** [Samoinae] defined p. 58 ; type species *W. palpalis* **sp. nov.** ♂ Waigeu Id., Dutch East Indies p. 59 fig., ROEWER Senckenbergiana Frankfurt **30** 1949.

Zalmoxana brevipes **sp. nov.** ♂ . ♀ Finschhafen, New Guinea p. 16 fig., ROEWER Senckenbergiana Frankfurt **30** 1949.

Zalmoxis aspersa **sp. nov.** ♂ Milgrave Id., [? Mulgrave Id.] p. 20 fig. ; *Z. luzonica* **sp. nov.** ♂ . ♀ Mount Maquiling, Philippine Is. p. 22 fig. ; *Z. spinicoxa* **sp. nov.** ♂ Grenzgebiet, New Guinea p. 22 fig., ROEWER Senckenbergiana Frankfurt **30** 1949.

Zalmoxissus **gen. nov.** (Phalangodinae) separated from *Zalmoxis* Soerensen (1886), type species *Z. tristis* Thorell (1891) p. 143, ROEWER Veröff. Mus. Nat. Bremen No. 1A 1949.

Zalmoxista **gen. nov.** (Phalangodinae) separated from *Phalangodes* Tellkampf (1844) and *Zalmoxis* Soerensen (1886), type species *P. australis* Soerensen (1886), added to genus *Z. darwinensis* Goodnight (1948) and *Z. tuberculata* Goodnight (1948) p. 144, ROEWER Veröff. Mus. Nat. Bremen No. 1A 1949.

Zalmoxomma **gen. nov.** [Phalangodinae] defined p. 22 ; type species *Z. occidentalis* **sp. nov.** ♂ Mauritius p. 22 fig., ROEWER Senckenbergiana, Frankfurt **30** 1949.

Zygobunus rufus (sub. *Stygnomma* and sub. *Stygnommatiplus*) p. 257 fig., ROEWER **523.**

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Cynorta bromeliaca **sp. nov.** ♂ Rancho Grande, Venezuela p. 22 fig., GOODNIGHT & GOODNIGHT Zoologica New York **34** 1949.

Metalibitia brasiliensis **sp. nov.** ♂ . ♀ Ponta Grossa, Pôrto Alegre, Rio Grande, Brazil p. 58 figs., SOARES & SOARES Pap. Avulsos Dept. Zool. S. Paulo **9** 1949.

GONYLEPTIDAE

Monograph of South American species (continuation) with key to genera p. 149, SOARES & SOARES **572.**

Acanthopachylopsis **gen. nov.** [Pachylinae] defined p. 51 ; type species *A. spectabilis* **sp. nov.** ♂ Marumbi, Paraná, Brazil p. 51 figs., SOARES & SOARES Pap. Avulsos Dept. Zool. S. Paulo **9** 1949.

Adelphobunus singularis allotype ♀ Serra da Cantareira, São Paulo, Brazil p. 48 fig., SOARES & SOARES **574.**

Ancistrotellus maculipalpi **sp. nov.** ♂ . ♀ Tijuca, D.F., Rio de Janeiro, Brazil p. 5 figs. ; *A. tijucae* ♀ allotype described p. 6 fig., SOARES & SOARES Comun. zool. Mus. Hist. Nat. Montevideo **2** 1948 ; *A. insperatus* allotype ♀ Banhado (Piraquara), Paraná, Brazil p. 55 fig., SOARES & SOARES **574.**

Bunistygnellus beebei **sp. nov.** ♂ Rancho Grande, Venezuela p. 23 fig., GOODNIGHT & GOODNIGHT Zoologica New York **34** 1949.

Discocyrtus terezopolis **sp. nov.** ♂ Terezopolis, Rio de Janeiro, Brazil p. 10 fig. ; *D. wygodzinskyi* **sp. nov.** ♂ Itatiaia, Rio de Janeiro p. 8 fig. ; *D. moraesianus* ♂ allotype described p. 9 fig., SOARES & SOARES Comun. zool. Mus. Hist. Nat. Montevideo **2** 1948 ; *D. mourei* **comb. nov.** pro *Paranaincola mourei* p. 52 ; *D. fortis* synonym of *D. mourei* p. 52, SOARES & SOARES Pap. Avulsos Dept. Zool. S. Paulo **9** 1949.

Geraecormobius atroluteus **comb. nov.** *Cadeadoius atroluteus* Roewer 1943, p. 168, SOARES & SOARES **572.**

Gonyleptes gertschi **sp. nov.** ♂. ♀ Tijuca, D.F., Rio de Janeiro, Brazil p. 4 figs., SOARES & SOARES Comun. zool. Mus. Hist. Nat. Montevideo **2** 1948; *G. parcigranulatus* **nom. nov.** pro *G. paucigranulatus* Mello-Leitão, 1932 nec. *G. paucigranulatus* Mello-Leitão, 1923 p. 179, SOARES & SOARES **572.**

Hanseniella maxima **comb. nov.** pro *Acrogonyleptes maximus* Roewer, 1930 p. 182, SOARES & SOARES **572.**

Itatiaincola **gen. nov.** [Pachylinae] defined p. 12; type species *I. nanus* **sp. nov.** ♀ Itatiaia, Rio de Janeiro, Brazil p. 12 fig., SOARES & SOARES Comun. zool. Mus. Hist. Nat. Montevideo **2** 1948.

Lycomedicus brasiliensis **sp. nov.** ♂. ♀ Banhado (Piraquara), Paraná, Brazil p. 52 figs., SOARES & SOARES Pap. Avulsos Dept. Zool. S. Paulo **9** 1949.

Metagonyleptes gengnageli **sp. nov.** ♂ Curitiba, Paraná, Brazil p. 50 fig., SOARES & SOARES Pap. Avulsos Dept. Zool. S. Paulo **9** 1949.

Neoancistrotus nigromaculatus ♀ allotype described p. 7 fig., SOARES & SOARES **573.**

Piresa langei **sp. nov.** ♂. ♀ Marumbi Paraná, Brazil p. 53 figs., SOARES & SOARES Pap. Avulsos Dept. Zool. S. Paulo **9** 1949.

Pseudogyndesoides latus ♀ allotype described p. 14 fig., SOARES & SOARES **573.**

Singram singularis **sp. nov.** ♂. ♀ Rezende, Rio de Janeiro, Brazil p. 13 figs., SOARES & SOARES Comun. zool. Mus. Hist. Nat. Montevideo **2** 1948.

Zortalia leprevosti allotype ♀ Marumbi, Paraná, Brazil p. 56 fig., SOARES & SOARES **574.**

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Bezavonia **gen. nov.** [Triaenonychinae] defined p. 289; type species *B. remyi* **sp. nov.** ♀ Bezavona, Fort de Dauphin, Madagascar p. 289 fig., ROEWER Senckenbergiana Frankfurt **30** 1949.

Conoculus **gen. nov.** defined p. 84; type species *C. asperus* **sp. nov.** ♂ Glen Osmond, South Australia p. 84 figs., FORSTER Mem. nat. Mus. Victoria no. 16 1949.

Lomanella kallista **sp. nov.** ♂ Kallista, Victoria p. 81 figs., FORSTER Mem. nat. Mus. Victoria no. 16 1949.

Nunciella tuberculata **sp. nov.** ♂ ♀ Diamond Creek, Victoria p. 71 figs., FORSTER Mem. nat. Mus. Victoria no. 16 1949.

Paranuncia gigantea ♂ redescribed p. 75 figs.; *P. ingens* ♂. ♀ redescribed p. 79 figs., FORSTER **224.**

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Leptyphantes aegeus **sp. nov.** ♂ S. Demetrio, Rhodes p. 54 figs., CAPORIACCO Redia, Firenze **33** 1948; *L. aspromontis* **sp. nov.** ♂ Montalto, Calabria, Italy p. 133 fig., CAPORIACCO Atti Mus. Stor. nat. Trieste **17** 1949; *L. mauensis* **sp. nov.** ♀ Mau, Nairobi p. 356 figs., CAPORIACCO Comm. Pont. Acad. Scient. **13** 1949; *L. collinus occidentalis* **subsp. nov.** Portugal p. 37 fig.; *L. flavipes* new to Portugal p. 40; *L. homonymus* new to Iberian Peninsula p. 41 figs.; *L. keyserlingi* new to Iberian Peninsula p. 42; *L. zonatus* new to Portugal p. 43 figs., MACHADO Mem. Mus. zool. Univ. Coimbra **191** 1949; *L. tenuis* abnormal development p. 126 figs., DENIS **171**; *L. kratochvili* **sp. nov.** ♀ Mendeli, Crete p. 113 fig., FAGE Bull. Mus. Hist. nat. Paris (2) **17** 1945.

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Prosopotheca corniculans new to Portugal p. 32, Machado **379.**

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Anacornia proceps **sp. nov.** ♂. ♀ Mirror Lake, Uintah Mts., Utah p. 483 figs.; *A. microps* additional figures p. 483 figs., Chamberlin Ann. Ent. Soc. Amer. Columbus **41** 1948 [1949].

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Catabrithorax (*Catabrithorax*) *stylifer* **sp. nov.** ♂. ♀ South Fork of Raft River, Lynn, Utah p. 486 figs.; *C.* (*Catosus* **subgen. nov.**) subgenotype *C. oxypaederotipus* (Crosby) records p. 488; *C.* (*Stenosus* **subgen. nov.**) subgenotype *C. plumosus* (Emerton) records p. 490 figs., Chamberlin Ann. Ent. Soc. Amer. Columbus **41** 1948 [1949].

Catosus **subgen. nov.** see *Catabrithorax*, Chamberlin **112.**

Ceraticelus agathus **sp. nov.** ♀ America p. 491 fig.; *C. subniger* **sp. nov.** ♂. ♀ near Salt Lake City, Utah p. 491 figs.; *C. tuganus* **sp. nov.** ♂. ♀ near Salt Lake City, Utah p. 494 figs.; *C. formosus pistus* **subsp. nov.** ♂. ♀ "Old Faithful," Yellowstone Park, Wyoming p. 492 fig.; *C. laetabilis pisga* **subsp. nov.** ♂. ♀ Mt. Pisgah, North Carolina p. 492 fig., Chamberlin Ann. Ent. Soc. Amer. Columbus **41** 1948 [1949].

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Cheraira **gen. nov.** defined p. 518; type species *C. kena* **sp. nov.** ♀ Mirror Lake, Uintah Mts., Utah p. 519 fig.; *C. castoris* **sp. nov.** ♀ Beaver Canyon, Utah p. 520 fig.; *C. salmonis* **sp. nov.** ♀ Salmon Falls, near Casteford, Idaho p. 520 fig.; *C. willapa* **sp. nov.** ♀ Willapa R., Washington p. 518 fig., Chamberlin Ann. ent. Soc. Amer. Columbus **41** 1948 [1949].

Cnephalocotes obscurus new to Iberian Peninsula p. 29, MACHADO **379**.

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Coloncus **gen. nov.** defined p. 522; type species *C. pius* **sp. nov.** ♀ near McCall, Idaho p. 525 fig.; *C. cascadeus* **sp. nov.** ♀. ♂ W. of Cascade, Colorado p. 524; *C. ocala* **sp. nov.** ♀ Ocala Forest, Florida p. 524 fig.; *C. siou* **sp. nov.** ♀ Hamlet, North Dakota p. 525 figs.; *C. americanus* **comb. nov.** p. 524 fig., CHAMBERLIN Ann. ent. Soc. Amer. Columbus **41** 1948 [1949].

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Hilaira garrina **sp. nov.** ♂. ♀ Pike's Peak, Colorado p. 532 figs., CHAMBERLIN Ann. ent. Soc. Amer. Columbus **41** 1948 [1949]; *H. herniosa* notes ♂ ♀ p. 38 figs., VOGELSANGER **663**.

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Maso navajo **sp. nov.** ♀ N. of Roosevelt Dam, Arizona p. 535 fig.; *M. marxi matanuskae* **var. nov.** ♀ Matanuska, Alaska p. 534, CHAMBERLIN Ann. ent. Soc. Amer. Columbus **41** 1948 [1949].

Masoncus **gen. nov.** defined p. 536; type species *M. arienus* **sp. nov.** ♂. ♀ Covered Wells, Arizona p. 536 figs.; *M. dux* **sp. nov.** ♀ Churchill, Manitoba p. 536 fig.; *M. nogales* **sp. nov.** ♂. ♀ near Nogales, Arizona p. 537 figs., CHAMBERLIN Ann. ent. Soc. Amer. Columbus **41** 1948 [1949].

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Minicia candida formation of male cephalothorax p. 31, DENIS **170**; *M. candida* gynandromorphism of the cephalothorax p. 111 figs., DENIS **172**.

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Panamomops tauricornis ♀ p. 173 fig., VOGELSANGER **662**.

Porrhomma fagei **sp. nov.** ♂. ♀ Štub. Teplice, Slowakei, Austria p. 183 figs.; *P. moravicum* **sp. nov.** ♂. ♀ Mähren: Slowakei, Austria p. 186 figs., MILLER & KRATOCHVIL Zool. Anz. **130** 1940; *P. spipolae* **sp. nov.** ♂. ♀ in cave Spipola, Bologna, Italy p. 500 figs., BIANCHI ET AL. Comment. pont. Acad. Scient. **13** 1949.

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Sciastes tenna **sp. nov.** ♀ Great Smoky Mts., Little Pegion Creek, Tennessee p. 541 fig., CHAMBERLIN Ann. Ent. Soc. Amer. Columbus **41** 1948 [1949].

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Stenosus **subgen. nov.** see *Catabrithorax*, CHAMBERLIN **112.**

Tachygyna paita **sp. nov.** ♂ Mirror Lake, Uintah Mts., Utah p. 548 figs.; *T. sima* **sp. nov.** ♀ Sidney, Vancouver Id., British Columbia p. 549 figs.; *T. watona* **sp. nov.** ♀ Mirror Lake, Uintah Mts., Utah p. 549 figs., CHAMBERLIN Ann. Ent. Soc. Amer. Columbus **41** 1948 [1949].

Tapinocyba alpha **sp. nov.** ♂. ♀ Dry Creek Canyon, Salt Lake City, Utah p. 550 figs.; *T.* (?) *gamma* **sp. nov.** ♀ Mirror Lake, Uintah Mts., Utah p. 550 fig.; *T. idahoana* **sp. nov.** ♀ N.E. Fruitland, Idaho p. 551 figs.; *T. iowa* **sp. nov.** ♀ Washington Co., Iowa p. 552 figs.; *T. kesimba* **sp. nov.** ♂. ♀ Kaibab Forest, Arizona p. 552 figs.; *T.* (?) *phana* **sp. nov.** ♀ N.E. McCall, Idaho p. 553 fig.; *T.* (?) *pontis* **sp. nov.** Bridge Bay, Yellowstone Lake, Wyoming p. 554 figs.; *T. sucra* **sp. nov.** ♀ Sugar Grove, Ohio p. 554 figs.; *T.* (?) *vermontis* **sp. nov.** ♀ Jamaica, Vermont p. 555 fig., CHAMBERLIN Ann. Ent. Soc. Amyr. Columbus **41** 1948 [1949].

Tigellinus mesus **sp. nov.** ♀ Pikes Peak, Colorado p. 556 fig.; *T.* (?) *perditus* **sp. nov.** ♀ probably Salt Lake City, Utah p. 555 fig.; *T. weberi* **sp. nov.** ♀ Weber Canyon, Utah p. 557 fig., CHAMBERLIN Ann. Ent. Soc. Amer. Columbus **41** 1948 [1949].

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Toschia **gen. nov.** [Gonatiinae] defined p. 361; type species *T. picta* **sp. nov.** ♂. ♀ Mau, Nairobi p. 363 figs.; *T. concolor* **sp. nov.** ♀ Mau, Nairobi p. 365 fig., CAPORIACCO Comm. Pont. Acad. Scient. **13** 1949.

Trichoncus scrofa new to Portugal p. 33 fig., MACHADO **379.**

Troxochrus scabriculus new to Iberian Peninsula p. 30, MACHADO **379.**

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Wubana reminiscens **sp. nov.** ♀ Yellowstone Park, Wyoming p. 560 fig., CHAMBERLIN Ann. Ent. Soc. Amer. Columbus **41** 1948 [1949].

Zygottus **gen. nov.** defined p. 561; type species *Z. corvallis* **sp. nov.** ♂. ♀ Denny Creek, Snoqualmie Pass, Washington p. 561 figs.; *Z. oregonus* **sp. nov.** ♀ S. Denmark, Oregon p. 561 figs., CHAMBERLIN Ann. Ent. Soc. Amer. Columbus **41** 1948 [1949].

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ULOBORIDAE

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ARGIOPIDAE

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Leucauge isabela **sp. nov.** ♂ Pic v. St. Isabel, Fernando Po p. 249 fig., ROEWER Veröff. dtsch. Kolon.-Uebersee Mus. Bremen **3** 1942; *L. brevitibialis* redescribed p. 346 fig., CAPORIACCO **97**.

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Pararaneus streptoceros note on ♂ p. 411 fig., CAPORIACCO **97**.

Paraverrucosa octospinosa **sp. nov.** ♂ Foz do Koluene, Brazil p. 9 figs., MELLO-LEITÃO Bol. Mus. nat. Rio, Zool. no. 92 1949.

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Wagneriana vermiculata **sp. nov.** ♀ Foz do Koluene, Brazil p. 10 fig., MELLO-LEITÃO Bol. Mus. nat. Rio, Zool. no. 92 1949.

Walckenaera acuminata new to Iberian Peninsula p. 31, MACHADO **379**.

Wixia bicornuta **sp. nov.** ♀ Foz do Koluene, Brazil p. 10 fig., MELLO-LEITÃO Bol. Mus. nat. Rio, Zool. no. 92 1949.

MIMETIDAE

Mimetus bishopi **sp. nov.** ♀ Nairobi p. 425 fig., CAPORIACCO Comm. Pont. Acad. Scient. **13** 1949.

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Zoropsis media new to Portugal p. 4, MACHADO **379**.

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Ctenus complicatus **sp. nov.** ♂. ♀ Oriente, Cuba p. 99 figs.; *C. pediculatus* **sp. nov.** ♂. ♀ Oriente, Cuba p. 99 fig., FRANGANILLO Mem. Soc. cubana Hist. nat. **18** 1946; *C. villasboasi* **sp. nov.** ♂ Poz do Koluene, Brazil p. 11 fig., MELLO-LEITÃO Bol. Mus. nat. Rio, Zool. no. 92 1949.

Pseudoctenus **gen. nov.** [Caloteninae] defined p. 448; type species *P. meneghettii* **sp. nov.** ♀ Mau, Nairobi p. 448 fig., CAPORIACCO Comm. Pont. Acad. Scient. **13** 1949.

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Fauna of Vilno, Lithuania, PUPISKA **487**.

Anagrina alticola note p. 427 fig., CAPORIACCO **97**.

Callilepis nocturna new to Iberian Peninsula p. 17 fig., MACHADO **379**.

Cesonia lacertosa **sp. nov.** ♂ Ft. Sherman, Canal Zone p. 314 figs.; *C. nigra* **sp. nov.** ♂ El Valle, R.P., Panama p. 316 figs.; *C. notata* **sp. nov.** ♂ ♀ Canal Zone, Panama p. 319 figs.; *C. pudica* **sp. nov.** ♂ El Valle, R.P., Panama p. 323 figs., CHICKERING Trans. Amer. Micr. Soc. Menasha **68** 1949.

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Nomisia aussereri new to Portugal p. 20, MACHADO **379.**

Phaeocedus braccatus gen. new to Portugal p. 10, MACHADO **379.**

Pterotricha cyrenacia **sp. nov.** ♀ Rhersa, Cyrenaica p. 118 fig., CAPORIACCO Atti Mus. Stor. nat. Trieste **17** 1949; *P. peregrina* **sp. nov.** ♀ Gara de l'Asekrem, Hoggar, Sahara p. 146 fig., DENIS Bull. Soc. Hist. nat. Alger. **39** 1948.

Scotophaeus affinis **sp. nov.** ♀ Mau, Nairobi p. 429 fig.; *S. schenkeli* **sp. nov.** ♂ Nairobi p. 428 fig., CAPORIACCO Comm. Pont. Acad. Scient. **13** 1949.

Zelotes thomasi **sp. nov.** ♂ Elmenteita, Nairobi p. 430 figs., CAPORIACCO Comm. Pont. Acad. Scient. **13** 1949; *Z. caucasius* new to Portugal p. 11, *Z. circumspectus* new to Iberian Peninsula p. 13, *Z. civicus* new to Iberian Peninsula p. 13 fig.; *Z. dentatidens* new to Iberian Peninsula p. 14; *Z. fulvopilosus* new to Iberian Peninsula p. 15 figs.; *Z. latreillei* new to Iberian Peninsula p. 16 fig., MACHADO **379.**

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Prodidomus rufus ♂ allotype described, Denton, Texas p. 22 fig., BRYANT **83.**

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Stasina koluene **sp. nov.** ♀ Poz do Koluene, Brazil p. 12, MELLO-LEITÃO Bol. Mus. nac. Rio, Zool. no. 92 1949.

SELENOPIDAE

Selenops tridentatus **sp. nov.** ♂ Poz do Koluene, Brazil p. 18 fig., MELLO-LEITÃO Bol. Mus. nac. Rio, Zool. no. 92 1949.

THOMISIDAE

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Erissoides vittatus **sp. nov.** ♀ Poz do Koluene, Brazil p. 15 figs., MELLO-LEITÃO Bol. Mus. nac. Rio, Zool. no. 92 1949.

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Misumenoides roseiceps **sp. nov.** ♀ Poz do Koluene, Brazil p. 14 figs., MELLO-LEITÃO Bol. Mus. nac. Rio, Zool. no. 92 1949.

Misumenops haemorrhous **sp. nov.** ♀ Poz do Koluene, Brazil p. 15 fig., MELLO-LEITÃO Bol. Mus. nac. Rio, Zool. no. 92 1949; *M. pallidus* var. *reichlini* **var. nov.** ♂. ♀ Rio Saludo, Chaco, Argentina p. 202 fig.; *M. ignobilis* ♀ redescribed p. 201 fig., SCHENKEL Verh. naturf. Ges. Basel **60** 1949.

Oxyptila umbraculorum new to Portugal p. 46 fig., MACHADO **379.**

Paramystaria variabilis delesserti **nom. nov.** ♀ Nairobi p. 454, CAPORIACCO **97.**

Pasiasula **gen. nov.** [Dictinae] defined p. 251; type species *P. eidmanni* **sp. nov.** ♀ Bokoko, Fernando Po p. 251 figs., ROEWER Veröff. dtsch. Kolon.-Uebersee Mus. Bremen **3** 1942.

Philodromus alboniger **sp. nov.** ♀ Nairobi p. 453; *P. montanus* **sp. nov.** ♀ Mau, Nairobi p. 450 fig.; *P. pesbovis* **sp. nov.** ♀ Elmenteita, Nairobi p. 451 fig., CAPORIACCO Comm. Pont. Acad. Scient. **13** 1949; *P. ruficapillus* new to Iberian Peninsula p. 48, MACHADO **379.**

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†*Protocteniza* **gen. nov.** defined p. 277 ; type species *P. britannica* **sp. nov.** Upper Coal Measures, Coseley, Staffs., England p. 277 figs., PETRUNKEVITCH Trans. Conn. Acad. Arts Sci. **37** 1949.

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†*Arachnometa* **gen. nov.** defined p. 280; type species *A. tuberculata* **sp. nov.** Upper Coal Measures, Coseley, Staffs., England p. 280 figs., PETRUNKEVITCH Trans. Conn. Acad. Arts Sci. **37** 1949.

ACARI

[With exception of Ixodoidea and Hydrachnoidea].

ACARI

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Acomatacarus geckobius **sp. nov.** larva from *Pachydactylus bicolor* [Lizard], Huab River, Damaraland, South-West Africa p. 454 fig.; *A. lacertae* **sp. nov.** larva from *Eremias lineo-ocellata pulchella* [Lizard], Elandskloof, Cold Bokkeveld, Cape Province p. 457 fig.; *A. mabuyana* **sp. nov.** larva from *Mabuya varia* [Lizard], Bulawayo, South Rhodesia p. 456 fig.; *A. namaquensis* **sp. nov.** larva from *Gerrhosaurus typicus* [Lizard], Soebatsfontein, Little Namaqualand p. 457 fig.; *A. tenuitarsus* **sp. nov.** larva from *Mabuya varia* [Lizard], Beit Bridge South Rhodesia p. 458 fig., LAWRENCE Ann. Natal Mus. P'mburg **11** 1949; *A. arizonensis* tracheal system p. 467 figs., BRENNAN **75**; *A. arizonensis* new data on distribution and hosts in Mexico p. 190, HOFFMANN **289.**

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Caloglyphus longipilus **sp. nov.** ♂. ♀ on bat guano, Cueva de Juxtlahuaca, Guerrero, Mexico p. 58 figs.; *C. paranomalus* **sp. nov.** ♂. ♀ on bat guano, Cueva de las Caleras, C. Hidalgo, Mexico p. 61 figs.; *C. armipes longisetosus* **subsp. nov.** ♂. ♀ on bat guano, Cueva de las Caleras, C., Hidalgo, Michoacan, Mexico p. 64, NESBITT Pan-Pacific Ent. S. Francisco **25** 1949.

Cecidopus Karsch 1879 synon. *Eupodolophus* Berlese 1914 and *Fessionella* Hirst 1924 p. 178, OUDEMANS **453.**

Celaenopsis cuspidata notes p. 81 fig., SCHWEIZER **551.**

Centrotrombidium schneideri larva described p. 2 fig., COOREMAN **147.**

Chelacaropsis **gen. nov.** (Cheyletidae) defined p. 315; type species *C. moorei* **sp. nov.** ♀ on *Glaucomys volans querceti*, Welaka, Florida p. 315 figs., BAKER Proc. U.S. Nat. Mus. **99** 1949.

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Cheyletia virginiensis **sp. nov.** ♀ associated with *Dendroctonus frontalis*, Gloucester, Virginia p. 299 figs.; *C. wellsi* **sp. nov.** ♀ on navel orange, Azores, intercepted at Philadelphia, Pa. p. 300 figs.; *C. pyriformis* **comb. nov.** pro *Cheyletus pyriformis* Banks 1904 p. 298 figs.; *C. squamosa* redescribed p. 301 figs. *C.* key to species p. 297, BAKER Proc. U.S. Nat. Mus. **99** 1949.

Cheyletiella parasitivorax ♀ redescribed p. 270 figs., BAKER **40**; *C. pinguis* ♂ p. 56 figs., WILLMANN **684**.

Cheyletus beauchampi **sp. nov.** ♀ Portugal, intercepted at Boston, Mass. p. 282 figs.; *C. cacahuamilpensis* **sp. nov.** ♀ in bat guano, Cave of Cacahuamilpa, Guerrero, Mexico p. 282 figs.; *C. davisi* **sp. nov.** ♀ Italy, intercepted at Boston, Mass. p. 283 figs.; *C. doddi* **sp. nov.** ♀ Ithaca, N.Y. p. 279 figs.; *C. hendersoni* **sp. nov.** ♀ Arkansas Cave, Arkansas p. 279 figs.; *C. linsdalei* **sp. nov.** ♀ on *Citellus beecheyi*, Monterey, California p. 281 figs.; *C. eruditus* redescribed p. 278 figs.; *C. fortis* redescribed p. 280 figs.; *C. malaccensis* redescribed p. 284 figs., *C.* key to species p. 276, BAKER Proc. U.S. Nat. Mus. **99** 1949; *C. polymorphus* **sp. nov.** in wheat, Smolensk, Russia p. 584 fig.; *C. truculentus* **sp. nov.** Karagand, Russia p. 586 fig., [VOLGIN] C.R. Acad. Sci. Moscow N.S. **64** 1949.

Cloquetia **gen. nov.** pro *Rhyncholophus medioareolatus* Kramer 1898, diagnosis p. 179, OUDEMANS Zool. Anz. Leipzig **136** 1941.

Cocceupodes paradoxus **sp. nov.** Mols, Djursland, Jutland p. 263 figs., WEIS-FOGH Nat. Jutlandica, Aarhus **1** 1947.

Copriphis orbinellus **sp. nov.** nymph, Swiss National Parks, Switzerland p. 76 fig.; *C. variola* **sp. nov.** nymph, Swiss National Parks p. 77 fig., SCHWEIZER Rés. Rech. scient. Parc Nation. Suisse N.F. **2** 21 1949.

Cosmolaelaps gurabensis ♂ described from *Rattus norvegicus*, Pensacola, Florida p. 496 figs., THURMAN **616**.

Demodex caprae new to India p. 287 figs., SREENIVASAN & RIZVI **585**.

Digamasellus key to spp. p. 55; *D. arvicolus* **sp. nov.** ♀ ♂ Admont, Austria p. 61 figs.; *D. brevipilis* **sp. nov.** ♀ ♂ Admont, Austria p. 62 figs.; *D. circuliformis* **sp. nov.** ♀ Admont, Austria p. 59 figs.; *D. fallax* **sp. nov.** ♀ ♂ Admont, Austria p. 60 figs.; *D. foveolatus* **sp. nov.** ♀ ♂ Admont, Austria p. 59 figs.; *D. latior* **sp. nov.** ♀ ♂ Admont, Austria p. 59 figs.; *D. longiusculus* **sp. nov.** ♀ ♂ Admont, Austria p. 60 figs.; *D. multidentatus* **sp. nov.** ♀ ♂ Melk, Austria p. 62 figs.; *D. perpusillus* notes p. 57 figs.; *D. presepum* notes p. 57 figs., LEITNER Zbl. GesamtGeb. Ent. Lienz **3** 1949.

Dogielacarus **gen. nov.** [Analgesidae] type species *D. uncitibia* **sp. nov.** in feathers of *Porzana parva parva*, Volga Delta, Astrakhan game protectorate park, Donau delta, Lake Kugurluy p. 777 figs., [DUBININ] C.R. Acad. Sci. Moscow N.S. **66** 1946.

Dupréia **gen. nov.** [Smarididae] type species *Smaridia pileifera* Karpelles 1891 p. 181, OUDEMANS Zool. Anz. Leipzig **136** 1941.

Eadiea **gen. nov.** [Myobiidae] defined p. 423; type species *E. condylurae* **sp. nov.** ♂. ♀ on star-nosed mole, *Condylura cristata*, Ithaca, Tompkins Co., New York p. 424 figs.; *E. brevihamata* ♂. ♀ redescribed p. 424 figs., JAMESON J. Parasit. Lancaster, Pa. **35** 1949.

Eatoniana georgei **nom. nov.** pro *Rhyncholophus plumipes* George 1896, non *Rhyncholophus plumipes* C. L. Koch 1856 p. 179; *E. plumifer* forma *transcaspica* **forma nov.** pro form unnamed Birula 1893 p. 179, OUDEMANS **453**.

Echinolaelaps echidninus incidence on rats in Buenos Aires p. 5 figs., MANSO SOTO & PLETNEFF **387**.

Emitrombidium **gen. nov.** [Trombidiidae] defined p. 69; type species *E. variepilosum* **sp. nov.** ♀ Rome, Italy p. 71 figs., LOMBARDINI Redia, Firenze **34** 1949.

Episeius aequalis **sp. nov.** ♂. ♀ Swiss National Parks, Switzerland p. 64 figs.; *E. handschini* **sp. nov.** ♂. ♀ Swiss National Parks p. 71 fig.; *E. ovaspini* **sp. nov.** ♂. ♀ Swiss National Parks p. 69 fig.; *E. corniger* ♀ redescribed p. 66 fig.; *E. major* redescribed p. 61 fig.; *E. michaeli* ♂ redescribed p. 59 fig.; *E. neocorniger* ♀ redescribed p. 67 fig.; *E. tenuipes* ♀ redescribed p. 60 fig., SCHWEIZER Res. Rech. scient. Parc Nation. Suisse N.F. **2** 21 1949; *E. salicorniae* **sp. nov.** ♀. ♂ Ciechocinek

Germany p. 118 figs.; *E.* key to ♀♀ European species p. 119, WILLMANN Veröff. Mus. Nat. Bremen No. 1A 1949.

Ereynetes minutus **sp. nov.** Ciechocinek, Germany p. 127 fig., WILLMANN Veröff. Mus. Nat. Bremen No. 1A 1949.

Erythraeus banksi **nom. nov.** pro *Rhyncolophus longipes* Banks 1894, non *Rhyncolophus longipes* Menge 1854 p. 179, OUDEMANS **453**; *E.* Latr. 1806 = *Leptus* q.v., OUDEMANS **453**; *E.* key to species p. 128, WILLMANN **685**.

Eucheyla panamensis **sp. nov.** among eggs of termites, Panama p. 291 figs.; *E. whartoni* **sp. nov.** ♀ Birnamwood, Wisconsin p. 292 figs.; *E.* key to species p. 291, BAKER Proc. U.S. Nat. Mus. **99** 1949.

Eucheyletia **gen. nov.** (Cheyletidae) defined p. 294; type species *E. bishoppi* **sp. nov.** ♀ on *Neotoma fuscipes*, Monterey, California p. 295 figs.; *E. flabellifera* **comb. nov.** pro *Cheletia flabellifera* (Michael 1878) p. 295; *E. hardyi* **sp. nov.** ♀ in *Neotoma micropus* nest, Harlingen, Texas p. 297 figs.; *E. harpyia* **comb. nov.** pro *Cheyletia harpyia* Rodendorf 1940 p. 294 figs.; *E.* key to species p. 294, BAKER Proc. U.S. Nat. Mus. **99** 1949.

Eugamasus cornutosimilis **sp. nov.** ♂. ♀ Swiss National Parks, Switzerland p. 19 figs.; *E. oudemansi* var. *alpinus* **var. nov.** ♀ Swiss National Parks, p. 24 fig.; *E. zschokkei* var. *fluri* **var. nov.** ♀ Swiss National Parks p. 23 fig.; *E. zschokkei* redescribed p. 21 figs., SCHWEIZER Rés. Rech. scient. Parc Nation. Suisse N.F. **2** 21 1949; *E. hyalinus* **sp. nov.** ♀ Ciechocinek, Germany p. 110 figs., WILLMANN Veröff. Mus. Nat. Bremen No. 1A 1949.

Eupalopsellus **gen. nov.** [Stigmaeidae] defined p. 132; type species *E. ölandicus* **sp. nov.** Öland, Sweden p. 132 figs., SELLNICK Ent. Tidskr. Stockholm **70** 1949.

Eupodolophus Berlese 1914 = *Cecidopus* q.v., OUDEMANS **453**.

Euryparasitus emarginatus palp described p. 504 fig., BIANCHI ET AL. **60**.

Eutalpacarus **gen. nov.** [Myobiidae] defined p. 427; type species *E. peltatus* **sp. nov.** ♂. ♀ on *Neurotrichus gibbsii* (shrew-mole), Quincy, Plumas Co., California p. 427 figs., JAMESON J. Parasit. Lancaster, Pa. **35** 1949.

Eutogenes **gen. nov.** (Cheyletidae) defined p. 304; type species *E. foxi* **sp. nov.** ♀ on rose stems, Brownsville, Texas p. 304 figs., BAKER Proc. U.S. Nat. Mus. **99** 1949.

Eutrombicula aenigma **sp. nov.** larva from *Mabuya varia* [Lizard], Beit Bridge, South Rhodesia p. 447 fig.; *E. agamae* **sp. nov.** larva from *Agama hispida armata* [Lizard], Weenen, Natal p. 444 fig.; *E. draconensis* **sp. nov.** larva from *Pseudocordylus subviridis* [Lizard], Mullers Pass, Newcastle, Natal p. 441 fig.; *E. gerrhosauri* **sp. nov.** larva from *Gerrhosaurus grandis* [Lizard], Skukuza Game Reserve, Transvaal p. 446 fig.; *E. homopholis* **sp. nov.** larva from *Homopholis wahlbergii* [Lizard], Nelspruit, Eastern Transvaal p. 441 fig.; *E. montensis* **sp. nov.** larva from *Pseudocordylus subviridis* [Lizard], Giant's Castle, Drakensberg Mts., Natal p. 444 fig.; *E. pachydactyli* **sp. nov.** larva from *Pachydactylus laevigatus laevigatus* [Lizard], Rheoboth, South-West Africa p. 443 fig.; *E. rhodesiensis* **sp. nov.** larva from *Mabuya 5-taeniata margaritifer* [Lizard], Bulawayo, South Rhodesia p. 448 fig.; *E. rhoptropi* **sp. nov.** larva from *Rhoptropus afer* [Lizard], Namib, South-West Africa p. 445 fig., LAWRENCE Ann. Natal Mus. P'mburg **11** 1949; *E. talicei* **sp. nov.** nymph and adult for *E. irritans* var. *uruguayensis*, Montevideo, Uruguay p. 92 figs., LOPEZ FERNÁNDEZ & TORRES DE LA LLOSA An. Inst. Hig. Montevideo **11** 1948 [1949]; *E.* revision of sub-genus, see *Trombicula*, JENKINS **306**; *E. alfreddugesi* new data on distribution and hosts in Mexico p. 189, HOFFMANN **289**.

Fessionella Hirst 1924 = *Cecidopus* q.v., OUDEMANS **453**.

Gamasellus nivalis **sp. nov.** ♂. ♀ Swiss National Parks, Switzerland p. 34 figs.; *G. falcifer* var. *alpinus* **var. nov.** ♂ Swiss National Parks p. 34 fig., SCHWEIZER Rés. Rech. scient. Parc Nation. Suisse N.F. **2** 21 1949.

Gamasiphis illotus **sp. nov.** ♀ from *Rattus norvegicus*, San Juan (Santurce), Puerto Rico p. 37 fig., FOX Florida Ent. **32** 1949.

Geholaspis mandibularis notes p. 507 figs., BIANCHI ET AL. **60**.

Gigantolaelaps sp. new record, on rice-rat (*Oryzomys palustris*), Texas and South Georgia p. 217, MORLAN & STRANDTMANN **432**.

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Hehlenia **gen. nov.** [Smarididae] defined p. 181; type species *Rhyncholophus papillosus* C. L. Koch 1837, non *Trombidium papillosum* Herm. 1804 p. 181; *H. kochi* **nom. nov.** pro *Rhyncholophus papillosus* C. L. Koch 1837 p. 181; *H. plumulosa* **nom. nov.** pro *Smaridia papillosa* Berlese 1884, non *Trombidium papillosum* Herm, nec *Rhyncholophus papillosus* C. L. Koch 1837 p. 181; *H. hermanni* **sp. nov.** for an unnamed species of Hermann 1804 p. 181; *H. villosa* Dugès 1834 **comb. nov.** for *Smaridia villosa* p. 181; *H. singularis* Oudemans 1910 **comb. nov.** for *Trombidium fuliginosum* Krendowsky 1880 (non Hermann 1804) = *Erythraeus singularis* Oudms. 1910 p. 181, OUDEMANS Zool. Anz. Leipzig **136** 1941.

Hirstiella pelaezi **sp. nov.** ♀ nymph on *Sceloporus ferrari-perezi* [Lizard], Mexico D.F. p. 25 figs., CUNLIFFE Proc. ent. Soc. Washington **51** 1949.

Hydrozetes revision of species p. 224, chaetotaxy discussed p. 226, GRANDJEAN **260**.

Hypoaspis murinus **sp. nov.** ♀ on *Rattus norvegicus*, Galveston, Texas p. 479 figs., STRANDTMANN & MENZIES Ann. ent. Soc. Amer. Columbus **41** 1948 [1949]; *H. neglectus* **sp. nov.** ♂ Panten, Silesia p. 341 fig., WILLMANN Abh. naturw. Ver. Bremen **32** 1949; *H. praesternalis* **sp. nov.** ♀ ♂ Ciechocinek, Germany p. 115 figs., WILLMANN Veröff. Mus. Nat. Bremen No. 1A 1949; *H. cricetophilus* synonym of *Haemolaelaps glasgowi* p. 346, STRANDTMANN **590**; *H. macropilis* redescribed, life history p. 209 figs., SMITH & SUMMERS **571**.

Hyracarus **gen. nov.** [Leeuwenhoekiinae] defined p. 420; type species *H. typicus* **sp. nov.** larva, from *Procavia natalensis*, Pietermaritzburg, Natal p. 420 fig.; *H. longipilosus* **sp. nov.** larva, from *Procavia natalensis*, Pietermaritzburg, Natal p. 422 fig.; *H. natalensis* **sp. nov.** larva from *Mabuya striata* [Lizard], Giant's Castle, Drakensberg Mts., Natal p. 459 fig., LAWRENCE Ann. Natal Mus. P'mburg **11** 1949.

Ichoronyssus hubbardi **sp. nov.** ♂. ♀ deutonymph, on mountain beaver (*Aplodontia rufa*), Skamania, Skamania Co., Washington p. 109 figs.; *I.* key to species p. 114, JAMESON J. Parasit. Lancaster, Pa. **35** 1949.

Ingrassiella **gen. nov.** [Analgesidae] type species *I. listrophoroides* **sp. nov.** in feathers of *Dendrocygna autumnalis* and *D. viduata*, Texas and East Africa p. 779 figs., [DUBININ] C.R. Acad. Sci. Moscow N.S. **66** 1946.

Isothrombium **gen. nov.** [Trombidiidae] between *Euthrombidium* and *Sercothrombium*, defined p. 354; type species *I. oparbellae* **sp. nov.** larva on Solifugae, *Oparbella fagei*, Agades, Air, French West Africa p. 355 figs., ANDRÉ Bull. Mus. Hist. nat. Paris (2) **21** 1949.

Johnstoniana errans synonymy, distribution, redescription p. 1 figs., COOREMAN **146**.

Laelaps californicus note p. 346 figs.; *L. stegemani* synonym of *Haemolaelaps glasgowi* p. 348; *L. virginianus* note p. 346 figs., STRANDTMANN **590**.

Lasioseius alpinus **sp. nov.** ♀ Swiss National Parks, Switzerland p. 46 fig.; *L. elegantulus* **sp. nov.** ♀ Swiss National Parks p. 58 fig.; *L. jüradeus* **sp. nov.** ♂ Swiss National Parks p. 52 fig.; *L. müstairi* **sp. nov.** ♂. ♀ Swiss National Parks p. 50 fig.; *L. similis* **sp. nov.** ♀ Swiss National Parks p. 49 fig.; *L. ventritrichosus* **sp. nov.** ♀ Swiss National Parks p. 47 fig.; *L. cetratus* ♂ described p. 53 fig.; *L. minusculus* ♂ redescribed p. 56 fig.; *L. muricatus* ♀ notes pl 46 fig.; *L. venustulus* ♀ redescribed p. 57 fig., SCHWEIZER Rés.

Rech. scient. Parc Nation. Suisse N.F. **2** 21 1949; *L. polonicus* **sp. nov.** ♀ Ciechocinek, Germany p. 117 figs.; *L. berlesi* **nom. nov.** pro *L. muricatus* Berl. non Koch p. 117, WILLMANN Veröff. Mus. Nat. Bremen No. 1A 1949.

Legneria **gen. nov.** pro *Erythraeus arvensis* Banks 1912, diagnosis p. 179, OUDEMANS Zool. Anz. Leipzig **136** 1941.

Leptus Latr. 1796 synon. *Erythraeus* Latr. 1806 p. 178, OUDEMANS **453.**

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Macronyssus carnifex note p. 502 fig., BIANCHI ET AL. **60.**

Microthrombidium (s. str.) *mexicanum* sp. nov. Fortin de las Flores, Vera Cruz, Mexico p. 232 figs., ANDRÉ Bull. Mus. Hist. nat. Paris (2) **21** 1949; *M.* (*E.*) *kervillei* var. *diversipalpis* characters p. 72 figs., ANDRÉ **17**; *M.* Haller 1882, type species *M. purpureum* sensu Haller, syn. *Trombidium pusillum* Hermann 1804, non syn. *Trombidium purpureum* C. L. Koch 1837 = *Dinothrombium purpureum* (C. L. Koch), Oudemans 1917 p. 255, WILLMANN **688.**

Morieria **nom. nov.** pro *Erythrolophus* Berl. 1920 preocc. *Erythrolophus* Swinhoe 1892 p. 179; *M. novae-hollandiae* **nom. nov.** pro *Erythraeus* (*Erythrolophus*) *froggatti* Berl. 1920 non *Erythraeus froggatti* Oudms. 1910 p. 179, OUDEMANS **453.**

Myialgopsis trinotoni ♂ described on *Trinoton aculeatum* [Mallophaga], Kitereka, Busoga, Uganda p. 934 figs., RADFORD **493.**

Myobia stewardi **sp. nov.** ♂ on *Rattus rattus rufescens*, Kangla Tongbi, Manipur State, India p. 529 figs.; *M. longa* ♂. ♀ redescribed p. 525 figs.; *M. simplex* ♂ described, on short tailed shrew (*Blarina brevicauda talpoides*), Silverspring, Maryland, U.S.A. p. 527 figs., RADFORD Bull. Mus. Hist. nat. Paris (2) **20** 1948 [1949].

Myonyssus dubinini **sp. nov.** ♀ on *Apodemus speciosus* and *Mustela sibirica*, Primorsk, Russia p. 751 fig.; *M.* key to species p. 752, [BREGETOVA] C.R. Acad. Sci. Moscow N.S. **67** 1949.

Myrmonyssus eidmanni **sp. nov.** ♀ in nest of ant, *Crematogaster impressa*, Fernando Po p. 221 figs.; *M. minor* **sp. nov.** ♂. ♀ in nest of ant, *Crematogaster impressa*, Fernando Po p. 225 figs., SELLNICK Zool. Anz. Leipzig **136** 1941.

Nanhermannia hirsuta **sp. nov.** ♀ in armadillo nest, Travis County, Texas p. 169 fig.; *N.* key to spp. p. 169, HARTMAN Proc. ent. Soc. Washington **51** 1949.

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Neocheyletiella **gen. nov.** [Cheyletidae] defined, key to species p. 271; type species *N. rohweri* **sp. nov.** ♀ on *Sitta pygmaea melanotis* [Aves], Guffey, Colorado p. 274 fig.; *N. smallwoodae* **sp. nov.** ♀ on *Leucosticte australis* [Aves], Guffey, Colorado p. 273 figs.; *N. canadensis* **comb. nov.** pro *Cheyletiella canadensis* Banks 1909 p. 272 figs.; *N. chanayi* **comb. nov.** pro *Cheyletiella chanayi* Berl. & Trt. 1889 p. 274 figs.; *N. heteropalpus* **comb. nov.** pro *Cheletiella heteropalpa* (Megnin 1878) p. 272; *N. macronycha* **comb. nov.** pro *Cheletiella macronycha* (Megnin 1878) p. 272; *N. microrhyncha* **comb. nov.** pro *Cheletiella microrhyncha* (Berl. & Trt. 1889) p. 272; *N. pinguis* **comb. nov.** pro *Cheletiella pinguis* (Berlese 1889) p. 275, BAKER Proc. U.S. Nat. Mus. **99** 1949.

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Niemannia **gen. nov.** [Smarididae] type species *Smaridia ampulligera* Berl, 1887 p. 181, OUDEMANS Zool. Anz. Leipzig **136** 1941.

Ophionyssus historical review p. 583 ; *O. serpentium* (Hirst, 1915), *O. easti* (Ewing, 1925) and *Steatonyssus arabicus* (Hirst, 1921) placed in synonymy under *Ophionyssus natricis* (Gervais) p. 589 fig., CAMIN **95**.

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Oppia melisi **sp. nov.** in cave, Skippola, Bologna, Italy p. 39 figs., VALLE Monit. zool. ital. Firenze **57** 1949.

Oribatula pannonica **sp. nov.** Ciechocinek, Germany p. 130 fig., WILLMANN Veröff. Mus. Nat. Bremen No. 1A 1949.

Pachylaelaps sculptus ♂ described p. 38 fig., SCHWEIZER **551**.

Panteniphis **gen. nov.** (Laelaptidae) defined p. 342 ; type species *P. mirandus* **sp. nov.** ♀ Panten, Silesia p. 344 figs., WILLMANN Abh. naturw. Ver. Bremen **32** 1949.

Parasitus digitus **sp. nov.** ♂ from *Rattus norvegicus*, San Juan (Santurce), Puerto Rico p. 37 fig., FOX Florida Ent. **32** 1949 ; *P. jugulatus* **sp. nov.** ♂ . ♀ Swiss National Parks, Switzerland p. 10 figs. ; *P. bombophilus* ♀ described p. 16 figs. ; *P. fimetorum* notes p. 8 fig. ; *P. fucorum* redescribed p. 14 fig., SCHWEIZER Rés. Rech. scient. Parc Nation. Suisse N.F. **2** 21 1949.

Paratetranychus unungius, systematic position and biology p. 339 figs., CIAMPOLINI **127**.

Paratydeus **gen. nov.** [Paratydeidae] defined p. 119 ; type species *P. alexanderi* **sp. nov.** ♀ intercepted at Brownsville, Texas on twig with bananas from Mexico p. 120 figs., BAKER Proc. ent. Soc. Washington **51** 1949.

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Pergamasus lapponicus var. *silesiacus* **var. nov.** ♂ . ♀ Panten, Silesia p. **341**, WILLMANN Abh. naturw. Ver. Bremen **32** 1949 ; *P. lapponicus* redescribed p. 28 fig., SCHWEIZER **551**.

Phaulotrachytes **gen. nov.** [Phaulodinychidae] defined p. 510 ; type species *Trachyuropoda rackei* Oudemans, 1912 p. 511, BIANCHI ET AL. Comment. pont. Acad. Scient. **13** 1949.

Phrynacarus **gen. nov.** [Trombiculidae] defined p. 463 ; type species *P. fitzsimonsi* **sp. nov.** larva from *Heleophryne regis* [Snake], Jonkersberg Mts., Cape Province p. 463 fig., LAWRENCE Ann. Natal Mus. P'mburg **11** 1949.

Phyllocoptes roivaineni **comb. nov.** pro *Eriophyes roivaineni* Liro 1942 p. 26 fig., ROIVAINEN **527**.

Pimeliaphilus isometri **sp. nov.** ♀ on *Isometrus* sp., Manila, P.I. p. 123 figs., CUNLIFFE Proc. ent. Soc. Washington **51** 1949.

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Pygmephorus togatus **sp. nov.** ♀ Jahrsmoor, Hamburg-Altona, Germany p. 175 figs., WILLMANN Abh. naturw. Ges. Bremen **32** 1942 ; *P. abdominalis polonicus* **subsp. nov.** ♀ Ciechocinek.

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†*Plesiosiro* gen. redefined p. 186; *P. madeleyi* redescribed p. 187 figs., PETRUNKEVITCH Trans. Conn. Acad. Arts Sci. **37** 1949.

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†*Aphantomartus pococki* p. 258 fig., PETRUNKEVITCH **466**.

†*Areomartus ovatus* note p. 249 fig., PETRUNKEVITCH **466**.

†*Eophrynus varius* **sp. nov.** Middle Coal Measures, Crawcrook, near Ryton-on-Tyne, Durham, England p. 247 figs., PETRUNKEVITCH Trans. Conn. Acad. Arts Sci. **37** 1949.

†*Lissomartus* **gen. nov.** [Trigonomartidae] defined p. 257; genotype *Trigonotarbus schucherti* Petrunkevitch, 1913 p. 257 fig., PETRUNKEVITCH Trans. Conn. Acad. Arts Sci. **37** 1949.

†*Palaeocharinoides hornei* p. 237 figs., PETRUNKEVITCH **466**.

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†*Architarbus minor* p. 165 fig., PETRUNKEVITCH **466**.

†*Goniotarbus* **gen. nov.** defined p. 168; type species *G. tuberculatus* **sp. nov.** Upper Carboniferous Coal Measures, Coseley, Staffs., England p. 168 figs., PETRUNKEVITCH Trans. Conn. Acad. Arts Sci. **37** 1949.

†*Mesotarbus* **gen. nov.** defined p. 167; type species *M. intermedius* **sp. nov.** Upper Coal Measures, Coseley, Staffs., England p. 167 figs., PETRUNKEVITCH Trans. Conn. Acad. Arts Sci. **37** 1949.

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Alloproctus peruanus **sp. nov.** Matucama, Peru p. 6 fig., SILVESTRI Boll. Lab. Ent. agr. Portici **8** 1948.

Amplocheir **gen. nov.** [Xystodesmidae] defined p. 97; type species *Xystocheir sequoia* Chamberlin, 1941 p. 97 figs., CHAMBERLIN J. Wash. Acad. Sci. **39** 1949.

Annamnium **gen. nov.** [Siphonophoridae] for *Siphonophora dawydoffi* Attems p. 217, VERHOEFF Zool. Anz. Leipzig **134** 1941.

Apheloria asburna **sp. nov.** ♂ N. of Nashville, Tennessee p. 101; *A. tortua* **sp. nov.** ♂ Mountain Lake, Virginia p. 101 fig., CHAMBERLIN J. Wash. Acad. Sci. **39** 1949; *A. antrostomicola* **sp. nov.** ♂. ♀ Stull's Cave, Lowmoor, Alleghany Co., Virginia p. 372 figs.; *A. kleinpeteri* **sp. nov.** ♀ ♂ Burkes Garden, Tazewell Co., Virginia p. 375 figs.; *A. picta* **sp. nov.** ♀ ♂ Mountain Lake, Giles Co., Virginia p. 376 figs.; Records of other Virginian species p. 372, HOFFMAN Proc. U.S. nat. Mus. **99** 1949; *A. coriacea* identity discussed p. 1 figs., HOFFMAN **284**.

Atopetholus barbaranus **sp. nov.** ♂ Santa Barbara Co. at Orcutt, California p. 168, CHAMBERLIN J. Wash. Acad. Sci. **39** 1949.

Auxobolus **gen. nov.** [Spirobolidae] defined p. 163; type species *A. ergus* **sp. nov.** ♂. ♀ Madero Co., Kern Co., California p. 163 figs.; *A. discipulus* **sp. nov.** ♂. ♀ Ione, California p. 165 figs.; *A. friantus* **sp. nov.** ♂. ♀ Fresno Co., California p. 165 figs.; *A. monachus* **sp. nov.** ♂ Hastings Reservation, Monterey Co., California p. 165 figs.; *A. simulatus* **sp. nov.** ♂ Riverside, California p. 165 figs.; transferred to gen. *Tylobolus castaneus* Chamberlin, 1918, *Tylobolus claremontus* Chamberlin, 1918, p. 163 and *Tylobolus stebbinsi* Chamberlin, 1944 p. 165, CHAMBERLIN J. Wash. Acad. Sci. **39** 1949.

Balizonium **gen. nov.** [Siphonophoridae] for *Siphonophora verrucosa* Attems 1931, p. 217, VERHOEFF Zool. Anz. Leipzig **134** 1941.

Brachydesmus (*Schizobrachydesmus*) *attenuatus* **sp. nov.** ♂ Vodizze, Podcrai, Birnbaumer Wald, North Istria p. 213 figs.; *B.* (*Chromobrachydesmus*) *croaticus* **sp. nov.** ♂ Ozaljska Spilja, Kulpatal, Croatia p. 215 figs.; *B.* (*C.*) *histricus* **sp. nov.** ♂ Dorf Praproce, Piedimonte, North Istria p. 217 figs., STRASSER Zool. Anz. Leipzig **138** 1942; *B. superus capreae* **subsp. nov.** ♂ Id. of Capri, Italy p. 232 fig., VERHOEFF Zool. Anz. Leipzig **139** 1942; *B. superus* notes on variation p. 231, TURK **624.**

Brachychaeteuma peniculatum **sp. nov.** ♂. ♀ Perte du Crès, Salles-la-Source, Marcillac, France p. 159 figs., RIBAUT Bull. Soc. Hist. nat. Toulouse **83** 1949.

Californibolus oregonus **sp. nov.** ♂ Springfield, Oregon p. 166 figs.; *C. pontis* **sp. nov.** ♂ Bridgeville, California p. 166 figs.; *C. rectus* **sp. nov.** ♂ Solano Co., California p. 166 figs.; included in gen. *Tylobolus uncigerus* (Wood), 1864 and *Tylobolus utahensis* Chamberlin, 1925 p. 166, CHAMBERLIN J. Wash. Acad. Sci. **39** 1949.

Californizonium **gen. nov.** [Siphonophoridae] for *Siphonophora pseustes* Chamberlin, 1923, p. 217, VERHOEFF Zool. Anz. Leipzig **134** 1941.

Carniosoma abietum illyricum **subsp. nov.** Monte Cucco, Roditti, North Istria p. 225 figs., STRASSER Zool. Anz. Leipzig **138** 1942.

Ceratosoma (*Illyriosoma* **subgen. nov.**) *manfredii* **sp. nov.** ♂ Planik, Alpe Grande, North Istria p. 228 figs.; *C.* (*Triakontazona*) *attemsi* ♂ notes p. 231; *C. pusillum carniolense* ♂ redescribed p. 232 figs., STRASSER Zool. Anz. Leipzig **138** 1942.

Chamberlinium **gen. nov.** [Siphonophoridae] for *Siphonophora fallens* Chamberlin 1922, *S. telana* Chamberlin 1922 and *S. corynetes* Chamberlin 1922 p. 215, VERHOEFF Zool. Anz. Leipzig **134** 1941.

Cheirauxus **gen. nov.** [Xystodesmidae] defined p. 97; type species *C. sapiens* **sp. nov.** ♂ Palo Alto, California p. 97 figs., CHAMBERLIN J. Wash. Acad. Sci. **39** 1949.

Cherokia **gen. nov.** defined p. 3; type species *Fontaria georgiana* Bollman p. 3 fig., CHAMBERLIN Proc. biol. Soc. Washington **62** 1949.

Cladostreptus thalattophilus **sp. nov.** ♂. ♀ Island of Alcatrazes: Island Grande, São Paulo, Brazil p. 226 figs.; *C. sebastianus* redescribed p. 211 figs., SCHUBART Mem. Inst. Butantan, S. Paulo **21** 1949.

Columbianum **gen. nov.** [Siphonophoridae] for *Siphonophora gracilicornis* Carl. 1914, p. 216, VERHOEFF Zool. Anz. Leipzig **134** 1941.

Columbiozonium **gen. nov.** [Siphonophoridae] for *Siphonophora pearsii* Chamberlin, p. 216, VERHOEFF Zool. Anz. Leipzig **134** 1941.

Cordillerium **gen. nov.** [Siphonophoridae] for *Siphonophora fuhrmanni* Carl, 1914, p. 217, VERHOEFF Zool. Anz. Leipzig **134** 1941.

Delocheir **gen. nov.** [Xystodesmidae] defined p. 99; type species *Xystocheir taibona* Chamberlin, 1912 p. 99 figs.; *D. conservata* **sp. nov.** ♂. ♀ Hasting Reservation, Monterey Co., California p. 99 fig.; *D. dalea* **sp. nov.** ♂. ♀ Brookdale, California p. 99 fig., CHAMBERLIN J. Wash. Acad. Sci. **39** 1949.

Deltotaria coronata **sp. nov.** ♀ ♂ Mount Rogers and White Top Mountain, Virginia p. 380 figs., HOFFMAN Proc. U.S. nat. Mus. **99** 1950.

Dendrobrachypus **gen. nov.** [Trichopolydesmidae] defined p. 89; type species *D. pusillus* **sp. nov.** ♂. ♀ Nordhang des Pic, Santa Isabel, Fernando Po p. 91 figs., VERHOEFF Zool. Anz. Leipzig **136** 1941.

Dimastosternum franzi **sp. nov.** Grossglockner-Gebiet, Grosser Pocher, Austria p. 8 figs., ATTEMS Mitt. naturw. Ver. Steiern. **77–78** 1949.

Diploiulus boleti anulatus **subsp. nov.** Presseggen, Gailtal, Austria p. 10, ATTEMS Mitt. naturw. Ver. Steiern. **77–78** 1949.

Dynoria medialis **sp. nov.** ♂ Atlanta, Georgia p. 3 figs., CHAMBERLIN Proc. biol. Soc. Washington **62** 1949.

Epanerchodus (*Niponchodus* **subgen. nov.**) *albulus* **sp. nov.** ♂ Aziro, Japan p. 213 figs.; *E.* (*Antrochodus*) *isikawai* Verh. characters p. 213 fig., VERHOEFF Zool. Anz. Leipzig **137** 1942.

Epeloria nannoides **sp. nov.** ♂ Gainesville, Florida p. 101 fig., CHAMBERLIN J. Wash. Acad. Sci. **39** 1949.

Ergethus **gen. nov.** [Ergethidae] defined p. 7 ; type species *E. perditus* **sp. nov.** ♂ . ♀ near Kerrville, Texas p. 7 figs., CHAMBERLIN Proc. biol. Soc. Washington **62** 1949.

Ergodesmus **gen. nov.** [Polydesmidae] defined p. 94 ; type species *E. compactus* **sp. nov.** ♂ between Goldendale and Mayfield, Washington p. 94 fig., CHAMBERLIN J. Wash. Acad. Sci. **39** 1949.

†*Euphoberia llarenae* **sp. nov.** palaozoic, Estefaniense de Llombera, León, Spain p. 737 figs., MELÉNDEZ Bol. Soc. esp. Hist. nat. **46** 1949.

Fontaria (*Parafontaria*) *aculeata* **sp. nov.** ♂ Unajuki, Japan p. 67 figs. ; *F.* (*P.*) *kuhlgatzi montana* **subsp. nov.** Mt. Ontake, Nippon, Japan p. 68 figs. ; *F.* (*P.*) key to species p. 67 ; *F.* (*Japonaria*) key to species p. 65, VERHOEFF Zool. Anz. Leipzig **136** 1941.

Fusiulus (*F.*) *pinetorum nivalis* **subsp. nov.** ♂ Mt. Kurobegoro, Japan p. 69 figs. ; *F.* (s. str.) for *pinetorum* Att. p. 70 ; *F.* (*Parfusiulus* **subgen. nov.**) for remaining species p. 70, VERHOEFF Zool. Anz. Leipzig **136** 1941.

Glomeris guttata capreae **subsp. nov.** ♂ ♀ Mt. Solaro, Id. of Capri, Italy p. 233, VERHOEFF Zool. Anz. Leipzig **139** 1942.

Gosichelus **gen. nov.** [Atopetholidae] defined p. 168 ; type species *Onychelus medolus* Chamberlin, 1941 p. 168 ; included in gen. *Onychelus jaegeri* Chamberlin, 1947 p. 168, CHAMBERLIN J. Wash. Acad. Sci. **39** 1949.

Guatemalium **gen. nov.** [Siphonophoridae] for *Siphonophora barberi* Chamberlin, 1922, p. 217, VERHOEFF Zool. Anz. Leipzig **134** 1941.

Hyleoglomeris (*Okeanomeris* **subgen. nov.**) *nigra* **sp. nov.** South Island Sikoku, Koti, Japan p. 216 figs. ; *H. sulcata* **sp. nov.** (? subgen.) Takashima, Jimmuji Zuschi, Japan p. 216, VERHOEFF Zool. Anz. Leipzig **137** 1942.

Illyriosoma **subgen. nov.** see *Ceratosoma*, STRASSER **592.**

Indiozonium **gen. nov.** [Siphonophoridae] for *Siphonophora pellita* Attems 1930 and *S. coniceps* Attems 1936 p. 215, VERHOEFF Zool. Anz. Leipzig **134** 1941.

Japonaria notes p. 5, HOFFMAN **285.**

Japoniobates **gen. nov.** [Isobatidae, subfam. Okeanobatinae] defined p. 206 ; type species *J. serratus* **sp. nov.** ♂ Saiko, Berges Huzi, Japan p. 209 figs., VERHOEFF Zool. Anz. Leipzig **137** 1942.

Kepolydesmus hesperus **sp. nov.** ♂ Ashland, Oregon p. 94 fig. ; *K. pungo* **sp. nov.** ♂ . ♀ Horsetail Falls, Oregon p. 95 fig. *K. anderisus* records p. 94 fig., CHAMBERLIN J. Wash. Acad. Sci. **39** 1949.

Klansolus zantus **sp. nov.** ♀ East of Cave Junction, Oregon p. 5, CHAMBERLIN Nat. Hist. Misc. Chicago no. 52 1949.

Lomboknium **gen. nov.** [Siphonophoridae] for *Siphonophora zehntneri* Att. 1912 and *S. ibis* Att., 1931, p. 217, VERHOEFF Zool. Anz. Leipzig **134** 1941.

Lophoproctinus diversunguis **sp. nov.** Orizaba, Mexico p. 3 figs. ; *L. mexicanus* **sp. nov.** Jalapa, Mexico p. 1 fig. ; *L. notandus* **sp. nov.** S. Francisco, Vera Cruz, Mexico p. 4 fig., SILVESTRI Boll. Lab. Ent. agr. Portici **9** 1948.

Mastigonodemus hirsutus **sp. nov.** ♀ Grotte de Bessugue, Saint-Geniez-d'Olt, France p. 160 figs., RIBAUT Bull. Soc. Hist. nat. Toulouse **83** 1949.

Monographis gen. defined p. 261, VERHOEFF **641.**

Nannaria cayugae **sp. nov.** ♂ Ithaca, New York p. 4 fig. ; *N. equalis* **sp. nov.** ♂ . ♀ Knoxville, Tennessee p. 4 fig. ; *N. ohionis* Loomis & Hoffman, 1948 syn. with *N. castanea* p. 4 ; *N. ursa* Chamberlin, 1938 syn. with *N. tuobita* p. 4, CHAMBERLIN Proc. biol. Soc. Washington **62** 1949 ; *N. ericacea* **sp. nov.** ♂ McGraws Gap, Clifton Forge, Alleghany Co., Virginia p. 381 figs. ; *N. laminata* **sp. nov.** ♂ Glen Lyn, Virginia p. 383 figs. ; *N. simplex* **sp. nov.** ♂ McGraws Gap, Clifton Forge, Alleghany Co., Virginia p. 384 figs. ; *N. wilsoni* **sp. nov.** ♂ Mountain Lake, Giles Co., Virginia p. 386 figs., HOFFMAN Proc. U.S. nat. Mus. **99** 1949 ; *N. shenandoa* **sp. nov.** ♂ . ♀ Shenandoah Mountain, Harrisonburg, Rockingham Co., Virginia p. 82 figs., HOFFMAN Proc. biol. Soc. Washington **62** 1949.

Nearctodesmus amissus **sp. nov.** ♂ . ♀ Oregon p. 96 fig. ; *N. brunnior* **sp. nov.** N. of Crescent City, California p. 96 fig. ; *N. campicolens* **sp. nov.** ♂ . ♀ Prairie Creek Park, California p. 96

fig.; *N. pseustes* **sp. nov.** ♂ Boyer, Oregon p. 96 fig.; *N. renigens* **sp. nov.** ♂. ♀ Oregon p. 97 fig.; *N. salix* **sp. nov.** ♂. ♀ W. of Willow Creek, California p. 97 fig., CHAMBERLIN J. Wash. Acad. Sci. **39** 1949.

Neptunobolus **gen. nov.** [Pachybolidae] defined p. 16; type species *N. hogei* **sp. nov.** ♂. ♀ Island of Queimada Grande, São Paulo, Brazil p. 218 figs., SCHUBART Mem. Inst. Butantan, S. Paulo **21** 1949.

Niponchodus **subgen. nov.** see *Epanerchodus*, VERHOEFF **649.**

Niponiothauma **gen. nov.** [Diplomaragnidae, subfam. Tokyosominae] defined p. 204; type species *N. inflatum* **sp. nov.** ♂. ♀ Karnizawa, Japan p. 205 figs., VERHOEFF Zool. Anz. Leipzig **137** 1942.

Okeanomeris **subgen. nov.** see *Hyleoglomeris*, VERHOEFF **649.**

Okeanozonium **gen. nov.** [Siphonophoridae] defined p. 222; type species *O. cylindricum* **sp. nov.** Palau Is., Philippine Is. p. 223 figs., VERHOEFF Zool. Anz. Leipzig **134** 1941.

Pachybolus arboreus **sp. nov.** ♀ Santa Isabel, Fernando Po p. 45, VERHOEFF Zool. Anz. Leipzig **136** 1941.

Parfusiulus **subgen. nov.** see *Fusiulus*, VERHOEFF **646.**

Partelsodolichus **gen. nov.** [Strongylosomidae] defined p. 45; *P. perplexus* **sp. nov.** ♂ Nordhang des Pic, Santa Isabel, Fernando Po p. 50 figs., VERHOEFF Zool. Anz. Leipzig **136** 1941.

Phanoria **gen. nov.** [Xystodesmidae defined p. 101; type species *P. philia*] **sp. nov.** ♂ Clarkesville, Georgia p. 101 fig., CHAMBERLIN J. Wash. Acad. Sci. **39** 1949.

Polydesmus coriaceus var. *securiformis* re-examination of type p. 229 fig.; *P. edentulus* status in Great Britain p. 229, TURK **624.**

Polyphematia antrobius **sp. nov.** ♂ Ödelsteinhöhle, Johnsbach, Austria p. 6 figs., ATTEMS Mitt. naturw. Ver. Steiern **77–78** 1949.

Polyxenus germanicus **sp. nov.** ♀ Königssee, Germany p. 263 figs.; *P. trivittatus* **sp. nov.** Asia Minor p. 262; *P. argentifer* characters p. 263 fig.; *P.* key to species p. 262, VERHOEFF Zool. Anz. **133** 1941.

? *Propolyxenus lawrencei* **sp. nov.** ♂ Drakensberg Mts., near Loskop, Natal p. 126 figs., CONDÉ Bull. Soc. ent. Fr. **54** 1949.

Pseudopolydesmus caddo **sp. nov.** ♂. ♀ Caddo Parish, Louisiana p. 97 fig., CHAMBERLIN J. Wash. Acad. Sci. **39** 1949; *P. americanus* gonopods described p. 291 figs., CARL **108.**

Pseudonannolene halophila **sp. nov.** ♂. ♀ Island of Alcatrazes: Island of Farol, São Paulo, Brazil p. 234 figs.; *P. maritima* **sp. nov.** ♂. ♀ Island of Queimada Pequena, São Paulo, Brazil p. 214 figs., SCHUBART Mem. Inst. Butantan, S. Paulo **21** 1949.

Rhinocricus insularis **sp. nov.** ♂. ♀ Island of Queimada Pequena, São Paulo, Brazil p. 207 figs., SCHUBART Mem. Inst. Butantan, S. Paulo **21** 1949.

Rhinosiphora raised to generic status for *Siphonophora* (*R.*) *mjöbergi* Verh. 1924, *S.* (*R.*) *nasuta* Verh. 1924 and *S.* (*R.*) *nodulosa* Verh. 1924 p. 218, VERHOEFF **642.**

Riukiaria notes p. 5, HOFFMAN **285.**

Saiulus montanus **sp. nov.** ♂. ♀ Mount Rogers, Grayson Co., Virginia p. 81 figs., HOFFMAN Proc. biol. Soc. Washington **62** 1949.

Sarmatiulus vilnensis note on gonopods p. 315 fig., JAWLOWSKI **305.**

Schubartia (*S.*) *lohmanderi* notes p. 225, STRASSER **592.**

Semionellus tertius **sp. nov.** ♂ near Kerrville (?), Texas p. 259 figs., CHAMBERLIN Ent. News Lancaster, Pa. **59** [1949].

Serradium hirsutipes in cave, Buso de la Dona, Verona, Italy p. 293 figs., MANFREDI **384.**

Sigmoria furcifera **sp. nov.** ♂ near Pineville, Wyoming Co., W. Virginia p. 387 figs., HOFFMAN Proc. U.S. nat. Mus. **99** 1949; *S. zyga* **sp. nov.** ♂. ♀ between Hot Springs and Paint Rock, North Carolina p. 3 fig., CHAMBERLIN Proc. biol. Soc. Washington **62** 1949.

Siphonophora (s. str.) for *S. braueri* Attems 1900, *S. tropiphora* Attems 1900, *S. columbiana* Carl 1914, *S. coatichira* Attems, *S. nematoides* Attems and *S. villosa* Attems p. 218, VERHOEFF **642.**

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Telodeinopus **gen. nov.** [Spirostreptoidea] defined p. 35 ; type species *T. eidmanni* **sp. nov.** ♂ Santa Isabel, Fernando Po p. 40 figs., VERHOEFF Zool. Anz. Leipzig **136** 1941.

Telomicropus **gen. nov.** [Spirostreptidae] defined p. 42 ; type species *T. spiriger* **sp. nov.** ♂ Nordhang des Pic, Santa Isabel, Fernando Po p. 44 figs., VERHOEFF Zool. Anz. Leipzig **136** 1941.

Tidolus **gen. nov.** [Atopetholidae] defined p. 168 ; type species *Atopetholus parvus* Chamberlin, 1918 p. 169, CHAMBERLIN J. Wash. Acad. Sci. **39** 1949.

Toltecolus parvunguis **sp. nov.** Frio County, Texas p. 1 figs., HOFFMAN Nat. Hist. Misc. Chicago no. 46 1949.

Watichelus **gen. nov.** [Atopetholidae] defined p. 169 ; type species *Onychelus smithi* Chamberlin, 1947 p. 169, CHAMBERLIN J. Wash. Acad. Sci. **39** 1949 ; *W. cooki* **sp. nov.** ♂ . ♀ Descanso, Lower California p. 243 figs. ; *W. edentatus* **sp. nov.** ♂ between San Diego and El Centro, California p. 241 figs. ; *W. emarginatus* **sp. nov.** ♂ . ♀ below Tia Juana, Lower California p. 243 figs. ; *W. parallelus* **sp. nov.** ♂ Chula Vista, California p. 244 figs. ; *W. robustus* **sp. nov.** ♂ . ♀ Chula Vista, California p. 241 figs., LOOMIS J. Wash. Acad. Sci. **39** 1949.

Xystocheir francisca **sp. nov.** ♂ San Francisco, California p. 99 fig. ; *X. milpitas* **sp. nov.** E. of Milpitas, California p. 99 figs. ; *X. tularea* **sp. nov.** ♂ . ♀ Sugar Loaf Mt., Tulare Co., California p. 101 fig., CHAMBERLIN J. Wash. Acad. Sci. **39** 1949.

Yaetakaria **gen. nov.** [Xystodesmidae] defined p. 1 ; type species *Y. youngi* **sp. nov.** ♂ Yaetake, Okinawa Island, Riu Kiu Archipelago p. 2 figs., HOFFMAN Nat. Hist. Misc. Chicago no. 45 1949.

Yukatanium **gen. nov.** [Siphonophoridae] for *Siphonophora sabachana* Chamberlin, 1938 p. 217, VERHOEFF Zool. Anz. Leipzig **134** 1941.

Zinaria mima **sp. nov.** ♂ . ♀ Greene Co., Pennsylvania p. 101 fig., CHAMBERLIN J. Wash. Acad. Sci. **39** 1949 ; *Z. rubrilata* **sp. nov.** ♂ . ♀ State Highway, Kilmarnock, Lancaster Co., Virginia p. 84 figs., HOFFMAN Proc. biol. Soc. Washington **62** 1949.

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Hemipauropus africanus **sp. nov.** ♂. ♀ Le Banco, Ivory Coast p. 142 fig.; *H. richardi* **sp. nov.** ♂. ♀ Le Banco, Ivory Coast p. 145 fig., REMY Mém. Mus. nat. Hist. nat. Paris N.S. **27** 1948.

Polypauropus legeri var. *propinquus* **var. nov.** ♀ Le Banco, Ivory Coast p. 147 fig., REMY Mém. Mus. nat. Hist. nat. Paris N.S. **27** 1948.

Scleropauropus (*S.*) *cyrneus* **sp. nov.** ♂ Vizzavona, Corsica p. 139 figs.; *S.* (*S.*) *lyrifer* notes p. 139 fig., REMY Mém. Mus. nat. Hist. nat. Paris N.S. **21** 1945 [1946]; *S.* (*S.*) *squameus* **sp. nov.** ♀ Orombo Bocca, Ivory Coast p. 148 fig., REMY Mém. Mus. nat. Hist. nat. Paris N.S. **27** 1948.

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